

**HARCOURT**

# Math

## **Practice Workbook**

**PUPIL'S EDITION**

**Grade 3**



Orlando • Boston • Dallas • Chicago • San Diego  
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Printed in the United States of America

ISBN 0-15-320661-6

2 3 4 5 6 7 8 9 10 073 2003 2002 2001

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Name \_\_\_\_\_

## Patterns on a Hundred Chart

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Use the hundred chart. Tell whether the number is *odd* or *even*.

1. 34

\_\_\_\_\_

2. 15

\_\_\_\_\_

3. 82

\_\_\_\_\_

4. 23

\_\_\_\_\_

5. 19

\_\_\_\_\_

6. 35

\_\_\_\_\_

7. 82

\_\_\_\_\_

8. 5

\_\_\_\_\_

9. 89

\_\_\_\_\_

10. 28

\_\_\_\_\_

Use the hundred chart.

11. Start at 2. Skip-count by twos. Move 12 skips. Where are you? Is it odd or even?

\_\_\_\_\_

12. Start at 3. Skip-count by threes. Move 5 skips. What number do you land on? Is it odd or even?

\_\_\_\_\_

### Mixed Review

Find each sum or difference.

$$\begin{array}{r} 13. \quad 6 \\ \quad 4 \\ + \quad 1 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 3 \\ \quad 4 \\ + \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 26 \\ \quad - 10 \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad 8 \\ \quad 4 \\ + \quad 2 \\ \hline \end{array}$$

17.  $8 + 2 + 9 =$  \_\_\_\_\_

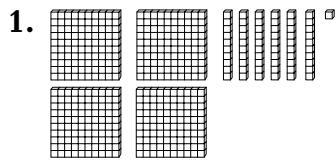
18.  $45 - 5 =$  \_\_\_\_\_

19.  $30 + 10 =$  \_\_\_\_\_

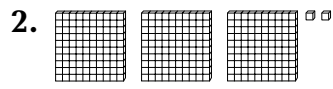
Name \_\_\_\_\_

# Understand Place Value

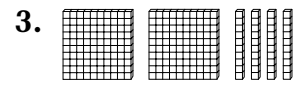
Write each number in standard form.



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

- 4.  $300 + 40 + 9$  \_\_\_\_\_
- 5.  $100 + 60 + 3$  \_\_\_\_\_
- 6.  $700 + 90 + 9$  \_\_\_\_\_
- 7. seven hundred eighty \_\_\_\_\_
- 8. six hundred thirty-two \_\_\_\_\_
- 9. 5 hundreds 6 ones \_\_\_\_\_
- 10. two hundreds 4 tens eight ones \_\_\_\_\_

Write the value of the underlined digit.

- 11. 736 \_\_\_\_\_
- 12. 341 \_\_\_\_\_
- 13. 750 \_\_\_\_\_
- 14. 408 \_\_\_\_\_

## Mixed Review

Add or subtract.

- |   |   |   |   |
|---|---|---|---|
| <p>15. <math>\begin{array}{r} 88 \\ - 24 \\ \hline \end{array}</math></p> | <p>16. <math>\begin{array}{r} 34 \\ + 52 \\ \hline \end{array}</math></p> | <p>17. <math>\begin{array}{r} 35 \\ + 6 \\ \hline \end{array}</math></p>  | <p>18. <math>\begin{array}{r} 72 \\ - 42 \\ \hline \end{array}</math></p> |
| <p>19. <math>\begin{array}{r} 64 \\ - 24 \\ \hline \end{array}</math></p> | <p>20. <math>\begin{array}{r} 32 \\ - 7 \\ \hline \end{array}</math></p>  | <p>21. <math>\begin{array}{r} 18 \\ + 18 \\ \hline \end{array}</math></p> | <p>22. <math>\begin{array}{r} 81 \\ + 11 \\ \hline \end{array}</math></p> |

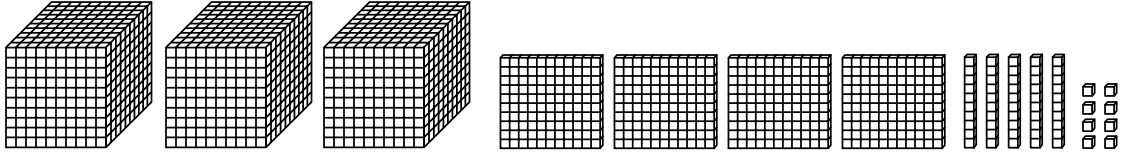


Name \_\_\_\_\_

## Understand Numbers to 10,000

Write in standard form.

1.



\_\_\_\_\_

2.  $8,000 + 600 + 20 + 1$

\_\_\_\_\_

3.  $2,000 + 400 + 20 + 9$

\_\_\_\_\_

4.  $3,000 + 500 + 7$

\_\_\_\_\_

5.  $1,000 + 900 + 80 + 2$

\_\_\_\_\_

Write in expanded form.

6. 5,083

\_\_\_\_\_

7. 6,493

\_\_\_\_\_

Write in words.

8. 7,210

\_\_\_\_\_

9. 503

\_\_\_\_\_

### Mixed Review

Add or subtract.

10.  $18 - 7 =$  \_\_\_\_\_

11.  $13 + 7 =$  \_\_\_\_\_

12.  $12 + 4 =$  \_\_\_\_\_

13.  $15 - 9 =$  \_\_\_\_\_

Name \_\_\_\_\_

## Understand 10,000

Write in standard form.

1.  $30,000 + 5,000 + 300 + 20 + 1$

\_\_\_\_\_

2.  $40,000 + 9,000 + 400 + 70 + 2$

\_\_\_\_\_

3.  $20,000 + 3,000 + 500 + 6$

\_\_\_\_\_

4.  $80,000 + 800 + 8$

\_\_\_\_\_

5.  $70,000 + 200 + 80 + 9$

\_\_\_\_\_

6.  $10,000 + 4,000 + 600 + 90 + 4$

\_\_\_\_\_

7. sixty-one thousand, eight hundred thirty-one

\_\_\_\_\_

8. forty-three thousand, five hundred forty-five

\_\_\_\_\_

Write the value of the underlined digit.

9.  $9\underline{1},643$

\_\_\_\_\_

10.  $\underline{3}6,955$

\_\_\_\_\_

11.  $72,\underline{5}61$

\_\_\_\_\_

12.  $15,4\underline{0}6$

\_\_\_\_\_

13.  $\underline{2}1,789$

\_\_\_\_\_

14.  $4\underline{5},632$

\_\_\_\_\_

## Mixed Review

Solve.

15.  $16 + 15 =$  \_\_\_\_\_

16.  $20 - 7 =$  \_\_\_\_\_

17.  $28 -$  \_\_\_\_\_  $= 20$

18.  $17 + 8 =$  \_\_\_\_\_

19.  $31 + 12 =$  \_\_\_\_\_

20.  $40 - 6 =$  \_\_\_\_\_

21.  $29 - 13 =$  \_\_\_\_\_

22.  $16 + 16 =$  \_\_\_\_\_

## PW4 Practice

Name \_\_\_\_\_

## Problem Solving Strategy: Use Logical Reasoning

Use logical reasoning and solve.

1. I am a 2-digit number. The sum of my digits is 10. The tens and ones digits are odd. The tens digit is greater than the ones digit. What numbers can I be?
- \_\_\_\_\_

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

2. I am a 2-digit number. Both of my digits are even. Both of my digits are the same. What numbers can I be?
- \_\_\_\_\_

3. I am a number in the fourth row on the hundred chart. My ones digit is twice my tens digit. What number am I?
- \_\_\_\_\_

4. I am a number in the last row on the hundred chart. My ones digit is even. The difference between the ones digit and tens digit is 5. What number am I?
- \_\_\_\_\_

5. I am a 2-digit number. The sum of my digits is 11. The tens digit is odd. The ones digit is 3 less than the tens digit. What number am I?
- \_\_\_\_\_

### Mixed Review

Write in expanded form.

6. 3,456

\_\_\_\_\_

7. 9,205

\_\_\_\_\_

Find the missing number.

8.  $12 - \underline{\quad} = 3$

9.  $28 - \underline{\quad} = 8$

10.  $19 - \underline{\quad} = 4$

11.  $8 + \underline{\quad} = 17$

12.  $12 + \underline{\quad} = 17$

13.  $4 + \underline{\quad} = 11$

## Size of Numbers

Choose a benchmark of 10 or 100 to estimate each.

1. the number of doors in your home \_\_\_\_\_
2. the number of crackers in a large box \_\_\_\_\_
3. the number of hours in the school day \_\_\_\_\_
4. the number of pages in a book of sports stories \_\_\_\_\_
5. the number of players on a baseball team \_\_\_\_\_

Choose a benchmark of 25, 100, or 1,000 to estimate each.

6. the number of desks in your classroom \_\_\_\_\_
7. the number of seats in a professional sports stadium \_\_\_\_\_
8. the number of shopping carts at a large supermarket \_\_\_\_\_
9. the number of slices in a loaf of bread \_\_\_\_\_
10. the number of days in three months \_\_\_\_\_

### Mixed Review

Add or subtract.

$$\begin{array}{r} 11. \quad 73 \\ \quad -22 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 95 \\ \quad +46 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 82 \\ \quad -30 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 31 \\ \quad +15 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 66 \\ \quad +33 \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad 26 \\ \quad +10 \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad 50 \\ \quad -20 \\ \hline \end{array}$$

$$\begin{array}{r} 18. \quad 45 \\ \quad +91 \\ \hline \end{array}$$

$$\begin{array}{r} 19. \quad 79 \\ \quad -42 \\ \hline \end{array}$$

$$\begin{array}{r} 20. \quad 88 \\ \quad -65 \\ \hline \end{array}$$

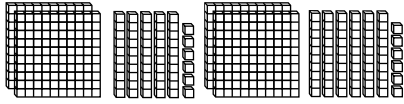
$$\begin{array}{r} 21. \quad 80 \\ \quad +44 \\ \hline \end{array}$$

$$\begin{array}{r} 22. \quad 92 \\ \quad -75 \\ \hline \end{array}$$

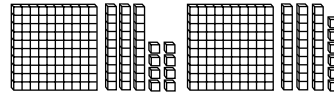
## Compare Numbers

Compare the numbers. Write  $<$ ,  $>$ , or  $=$  in the  $\bigcirc$ .

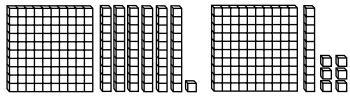
1.  $256 \bigcirc 266$



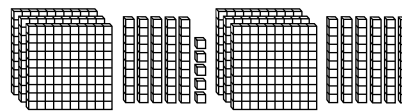
2.  $138 \bigcirc 136$



3.  $161 \bigcirc 116$



4.  $355 \bigcirc 365$



5.  $856 \bigcirc 856$

6.  $44 \bigcirc 444$

7.  $3,654 \bigcirc 3,456$

8.  $.81 \bigcirc 80$

## Mixed Review

Write the number in standard form.

9.  $40,000 + 6,000 + 300 + 50 + 5$  \_\_\_\_\_

10.  $20,000 + 700 + 20 + 9$  \_\_\_\_\_

11. eight thousand, three hundred fifty-two \_\_\_\_\_

12. forty-three thousand, six hundred twenty-five \_\_\_\_\_

Write the number in expanded form.

13.  $17,045$  \_\_\_\_\_

14.  $59,811$  \_\_\_\_\_

15.  $4,906$  \_\_\_\_\_

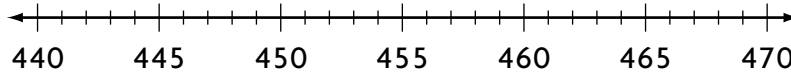
Complete the pattern.

16.  $25, 30, 35, \underline{\quad}, \underline{\quad}$       17.  $17, 20, 23, \underline{\quad}, \underline{\quad}$

18.  $52, 54, 56, \underline{\quad}, \underline{\quad}$       19.  $21, 28, \underline{\quad}, 42, \underline{\quad}$

## Order Numbers

Write the numbers in order from *least* to *greatest*.

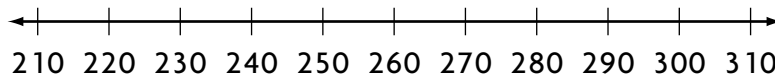


1. 445, 451, 450

2. 456, 449, 468

3. 470, 462, 468

\_\_\_\_\_

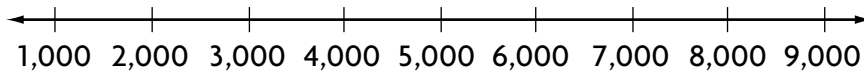


4. 221, 210, 235

5. 305, 275, 255

6. 246, 232, 310

\_\_\_\_\_



7. 2,326; 1,503; 3,235

8. 5,609; 5,950; 4,999

9. 9,000; 7,607; 4,439

\_\_\_\_\_

Write the numbers in order from *greatest* to *least*.

10. 165, 132, 169

11. 87, 110, 56

12. 254, 124, 304

\_\_\_\_\_

### Mixed Review

Solve.

13.  $29 + 10 + 4 =$  \_\_\_\_\_

14.  $71 + 12 + 8 =$  \_\_\_\_\_

15.  $53 + 11 + 14 =$  \_\_\_\_\_

16.  $72 + 8 + 0 =$  \_\_\_\_\_

17.  $13 + 58 + 29 =$  \_\_\_\_\_

18.  $49 + 49 + 10 =$  \_\_\_\_\_

19. 
$$\begin{array}{r} 79 \\ -31 \\ \hline \end{array}$$

20. 
$$\begin{array}{r} 98 \\ -37 \\ \hline \end{array}$$

21. 
$$\begin{array}{r} 49 \\ -19 \\ \hline \end{array}$$

22. 
$$\begin{array}{r} 60 \\ -20 \\ \hline \end{array}$$

## Problem-Solving Skill

### Identify Relationships

For 1–2, use the table.

1. Peggy's popcorn machine can make about 10,000 bags of popcorn a week. For which types of popcorn would it take more than a week to make all the bags?
- \_\_\_\_\_

2. One tub of kernels can make about 1,000 bags of popcorn. How many tubs of kernels does Peggy need to make caramel popcorn? Explain.
- \_\_\_\_\_
- \_\_\_\_\_

Peggy's Popcorn Factory	
Type of Popcorn	Number of Bags to Be Made
Butter	15,460
Plain	11,326
Caramel	8,751
Unsalted	4,379
Honey nut	1,249

### Mixed Review

Write  $<$ ,  $>$ , or  $=$  in the  $\bigcirc$ .

3.  $3,456 \bigcirc 346$

4.  $121 \bigcirc 115$

5.  $7,756 \bigcirc 7,776$

6.  $844 \bigcirc 844$

7.  $19,213 \bigcirc 91,213$

8.  $365 \bigcirc 365$

Solve.

9. 
$$\begin{array}{r} 35 \\ - 14 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 41 \\ + 14 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 79 \\ - 38 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 27 \\ + 31 \\ \hline \end{array}$$

## Round to Nearest 10 and 100

Round to the nearest ten.

1. 26 \_\_\_\_\_      2. 85 \_\_\_\_\_      3. 72 \_\_\_\_\_      4. 55 \_\_\_\_\_

5. 17 \_\_\_\_\_      6. 31 \_\_\_\_\_      7. 88 \_\_\_\_\_      8. 97 \_\_\_\_\_

9. 46 \_\_\_\_\_      10. 62 \_\_\_\_\_      11. 8 \_\_\_\_\_      12. 29 \_\_\_\_\_

Round to the nearest hundred and the nearest ten.

13. 564 \_\_\_\_\_      14. 412 \_\_\_\_\_

15. 625 \_\_\_\_\_      16. 445 \_\_\_\_\_

17. 454 \_\_\_\_\_      18. 621 \_\_\_\_\_

19. 533 \_\_\_\_\_      20. 689 \_\_\_\_\_

21. 599 \_\_\_\_\_      22. 327 \_\_\_\_\_

23. 555 \_\_\_\_\_      24. 649 \_\_\_\_\_

### Mixed Review

Tell whether the number is *odd* or *even*.

25. 1,784 \_\_\_\_\_      26. 333 \_\_\_\_\_      27. 95 \_\_\_\_\_

28. 178 \_\_\_\_\_      29. 712 \_\_\_\_\_      30. 619 \_\_\_\_\_

Solve.

31.  $90 - 12 =$  \_\_\_\_\_      32.  $39 + 21 =$  \_\_\_\_\_

33.  $40 + 50 =$  \_\_\_\_\_      34.  $66 - 23 =$  \_\_\_\_\_

35. 
$$\begin{array}{r} 99 \\ - 72 \\ \hline \end{array}$$
      36. 
$$\begin{array}{r} 56 \\ - 48 \\ \hline \end{array}$$
      37. 
$$\begin{array}{r} 72 \\ + 23 \\ \hline \end{array}$$
      38. 
$$\begin{array}{r} 89 \\ - 61 \\ \hline \end{array}$$



**Round to Nearest 1,000**

Round to the nearest thousand.

1. 2,345 \_\_\_\_\_      2. 1,765 \_\_\_\_\_      3. 8,821 \_\_\_\_\_  
 4. \$6,109 \_\_\_\_\_      5. 3,001 \_\_\_\_\_      6. \$3,679 \_\_\_\_\_  
 7. 9,134 \_\_\_\_\_      8. \$4,556 \_\_\_\_\_      9. 7,733 \_\_\_\_\_

Round to the nearest thousand, the nearest hundred, and the nearest ten.

10. 3,490 \_\_\_\_\_  
 11. 7,509 \_\_\_\_\_  
 12. \$2,565 \_\_\_\_\_  
 13. 3,115 \_\_\_\_\_  
 14. 1,350 \_\_\_\_\_  
 15. 8,999 \_\_\_\_\_  
 16. \$6,784 \_\_\_\_\_  
 17. 2,288 \_\_\_\_\_  
 18. \$5,501 \_\_\_\_\_

**Mixed Review**

Write the value of the underlined digit.

19. 4,523 \_\_\_\_\_      20. 13,886 \_\_\_\_\_      21. 60,600 \_\_\_\_\_  
 22. 327 \_\_\_\_\_      23. 687 \_\_\_\_\_      24. 22,789 \_\_\_\_\_

Solve.

25.  $\begin{array}{r} 68 \\ -45 \\ \hline \end{array}$       26.  $\begin{array}{r} 86 \\ -70 \\ \hline \end{array}$       27.  $\begin{array}{r} 49 \\ +13 \\ \hline \end{array}$       28.  $\begin{array}{r} 92 \\ -31 \\ \hline \end{array}$

## Column Addition

Find the sum.

1.  $(2 + 5) + 3 = \underline{\quad}$     2.  $6 + (3 + 5) = \underline{\quad}$     3.  $(4 + 5) + 9 = \underline{\quad}$

4.  $4 + (13 + 7) = \underline{\quad}$     5.  $(4 + 3) + 6 = \underline{\quad}$     6.  $(1 + 7) + 14 = \underline{\quad}$

7.  $12 + (6 + 6) = \underline{\quad}$     8.  $(14 + 6) + 3 = \underline{\quad}$     9.  $7 + (10 + 5) = \underline{\quad}$

Use the Grouping Property to find the sum.

10. 
$$\begin{array}{r} 2 \\ 4 \\ + 6 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 4 \\ 1 \\ + 9 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 22 \\ 13 \\ + 8 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 14 \\ 10 \\ + 16 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 25 \\ 14 \\ + 26 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 33 \\ 44 \\ + 17 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 21 \\ 34 \\ + 45 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 23 \\ 18 \\ + 12 \\ \hline \end{array}$$

## Mixed Review

Round to the nearest hundred.

18. 456

\_\_\_\_\_

19. 301

\_\_\_\_\_

20. 3,698

\_\_\_\_\_

21. 4,022

\_\_\_\_\_

22. 678

\_\_\_\_\_

23. 1,103

\_\_\_\_\_

24. 5,833

\_\_\_\_\_

25. 6,666

\_\_\_\_\_

Solve.

26.  $12 + 33 = \underline{\quad}$     27.  $44 - 20 = \underline{\quad}$     28.  $17 + 15 = \underline{\quad}$

29.  $25 - 13 = \underline{\quad}$     30.  $40 + 30 = \underline{\quad}$     31.  $42 - 19 = \underline{\quad}$

**Estimate Sums**

Estimate the sum.

1. 
$$\begin{array}{r} 23 \\ +71 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 44 \\ +33 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 69 \\ +12 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 429 \\ +258 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} \$1.32 \\ +\$2.48 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 4,367 \\ +5,717 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} \$6.65 \\ +\$1.99 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 1,252 \\ +2,834 \\ \hline \end{array}$$

For 9–11 use the numbers at the right.

9. Choose two numbers whose sum is about 80.

\_\_\_\_\_

10. Choose two numbers whose sum is about 4,000.

\_\_\_\_\_

11. Choose two numbers whose sum is about 700.

\_\_\_\_\_

533
38
1,092
41
229
3,481

**Mixed Review**Write  $<$ ,  $>$ , or  $=$  for each  $\bigcirc$ .

12.  $334 \bigcirc 443$

13.  $4,980 \bigcirc 4,098$

14.  $814 \bigcirc 814$

15.  $39 \bigcirc 31$

Write each number in standard form.

16.  $60,000 + 2,000 + 500 + 50$  \_\_\_\_\_

17. forty-three thousand, nine hundred sixty-six \_\_\_\_\_

18.  $2,000 + 900 + 40 + 3$  \_\_\_\_\_

19. eighty thousand, two hundred eleven \_\_\_\_\_

20.  $70,000 + 300 + 70 + 9$  \_\_\_\_\_

## Add 3-Digit Numbers

Use base-ten blocks to find each sum.

1. 
$$\begin{array}{r} 341 \\ +237 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 832 \\ +138 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 426 \\ +427 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 359 \\ +196 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 532 \\ +389 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 644 \\ +317 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 277 \\ +235 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 442 \\ +469 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 353 \\ +588 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 527 \\ +197 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 438 \\ +279 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 377 \\ +195 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 159 \\ +262 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 349 \\ +464 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 618 \\ +329 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 627 \\ +326 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 378 \\ +577 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} 819 \\ +153 \\ \hline \end{array}$$

19. 
$$\begin{array}{r} 377 \\ +188 \\ \hline \end{array}$$

20. 
$$\begin{array}{r} 429 \\ +469 \\ \hline \end{array}$$

## Mixed Review

Add.

21. 
$$\begin{array}{r} 57 \\ +36 \\ \hline \end{array}$$

22. 
$$\begin{array}{r} 88 \\ +97 \\ \hline \end{array}$$

23. 
$$\begin{array}{r} 49 \\ +57 \\ \hline \end{array}$$

24. 
$$\begin{array}{r} 67 \\ +38 \\ \hline \end{array}$$

25. 
$$\begin{array}{r} 49 \\ +89 \\ \hline \end{array}$$

Subtract.

26. 
$$\begin{array}{r} 57 \\ -32 \\ \hline \end{array}$$

27. 
$$\begin{array}{r} 98 \\ -84 \\ \hline \end{array}$$

28. 
$$\begin{array}{r} 69 \\ -57 \\ \hline \end{array}$$

29. 
$$\begin{array}{r} 58 \\ -38 \\ \hline \end{array}$$

30. 
$$\begin{array}{r} 99 \\ -81 \\ \hline \end{array}$$

31. 
$$\begin{array}{r} 92 \\ -18 \\ \hline \end{array}$$

32. 
$$\begin{array}{r} 14 \\ -8 \\ \hline \end{array}$$

33. 
$$\begin{array}{r} 76 \\ -54 \\ \hline \end{array}$$

34. 
$$\begin{array}{r} 29 \\ -14 \\ \hline \end{array}$$

35. 
$$\begin{array}{r} 78 \\ -26 \\ \hline \end{array}$$

## Add 3-Digit Numbers

Find the sum. Estimate to check.

1. 
$$\begin{array}{r} 356 \\ +228 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 149 \\ +227 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 657 \\ +155 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 494 \\ +369 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 364 \\ +465 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 648 \\ +173 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 649 \\ +348 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 146 \\ +594 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 247 \\ +453 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 152 \\ +688 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 384 \\ +165 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 473 \\ +437 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 349 \\ +449 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 147 \\ +366 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 869 \\ +131 \\ \hline \end{array}$$

## Mixed Review

Write the value of the underlined digit.

16.  $\underline{2}$ ,781

17. 13, $\underline{4}$ 99

18.  $\underline{2}$ ,002

19.  $\underline{7}$ 7,712

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

20.  $\underline{5}$ 76

21. 92, $\underline{4}$ 40

22. 11, $\underline{2}$ 99

23. 4, $\underline{8}$ 10

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Round to the nearest ten.

24. 566

25. 717

26. 32

27. 673

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

28. 1,854

29. 392

30. 428

31. 4,668

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Problem-Solving Strategy

### Predict and Test

Use *predict and test* to solve.

- |   |   |
|---|---|
| <p>1. Two numbers have a sum of 39. Their difference is 11. What are the two numbers?</p> <p>_____</p>  | <p>2. Two numbers have a sum of 22. Their difference is 4. What are the two numbers?</p> <p>_____</p>   |
| <p>3. Gina traveled 450 miles to her grandmother's house in two days. She traveled 50 more miles on Saturday than on Sunday. How many miles did she travel on Saturday? on Sunday?</p> <p>_____</p> | <p>4. Maria practiced the recorder for 40 minutes on Saturday. She practiced 10 minutes less in the afternoon than in the morning. How many minutes did Maria practice in the morning? in the afternoon?</p> <p>_____</p> |

### Mixed Review

Solve.

- |                              |   |
|------------------------------|---|
| 5. $17 + 22 + 56 =$ _____    | 6. $\$42.80 + \$23.90 + \$6.00 =$ _____ |
| 7. $134 + 326 + 422 =$ _____ | 8. $79 + 18 + 27 =$ _____               |

Write  $<$ ,  $>$ , or  $=$  in the  $\bigcirc$ .

- |                                       |   |
|---------------------------------------|---|
| 9. $25 + 25 \bigcirc 50$              | 10. $721 + 322 \bigcirc 1,000$          |
| 11. $\$3.50 + \$2.25 \bigcirc \$4.25$ | 12. $582 + 241 \bigcirc 1,200$          |
| 13. $276 + 524 \bigcirc 800$          | 14. $\$19.83 + \$4.99 \bigcirc \$25.00$ |

Solve.

- |  |  |  |  |  |
|--|--|--|--|--|
| 15. $\begin{array}{r} 19 \\ + 9 \\ \hline \end{array}$ | 16. $\begin{array}{r} 27 \\ + 4 \\ \hline \end{array}$ | 17. $\begin{array}{r} 36 \\ + 8 \\ \hline \end{array}$ | 18. $\begin{array}{r} 29 \\ + 5 \\ \hline \end{array}$ | 19. $\begin{array}{r} 48 \\ + 9 \\ \hline \end{array}$ |
|--|--|--|--|--|

## Add Greater Numbers

Find the sum. Estimate to check.

1. 
$$\begin{array}{r} 2,341 \\ +6,237 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 1,861 \\ +6,733 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 7,849 \\ +3,259 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 1,776 \\ +1,954 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 1,952 \\ +1,980 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 1,988 \\ +1,982 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 1,113 \\ +5,988 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 7,182 \\ +1,939 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 4,594 \\ +3,534 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 6,318 \\ +4,916 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 7,657 \\ +1,284 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 4,594 \\ +8,475 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 4,588 \\ +5,455 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 5,387 \\ +8,347 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 3,425 \\ +5,456 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 6,859 \\ +1,346 \\ \hline \end{array}$$

## Mixed Review

Write the numbers in order from *least* to *greatest*.

17. 245, 253, 232  
\_\_\_\_\_

18. 350, 345, 319  
\_\_\_\_\_

19. 632, 599, 900  
\_\_\_\_\_

Add.

20.  $(3 + 4) + 4 = \underline{\quad}$

21.  $(4 + 5) + 7 = \underline{\quad}$

22.  $(1 + 6) + 9 = \underline{\quad}$

23.  $(6 + 4) + 7 = \underline{\quad}$

24.  $(8 + 8) + 3 = \underline{\quad}$

25.  $(7 + 4) + 8 = \underline{\quad}$

26.  $(9 + 2) + 5 = \underline{\quad}$

27.  $(6 + 7) + 4 = \underline{\quad}$

28.  $(8 + 1) + 7 = \underline{\quad}$

29. 
$$\begin{array}{r} 221 \\ +876 \\ \hline \end{array}$$

30. 
$$\begin{array}{r} 595 \\ +111 \\ \hline \end{array}$$

31. 
$$\begin{array}{r} 469 \\ +568 \\ \hline \end{array}$$

32. 
$$\begin{array}{r} 670 \\ +710 \\ \hline \end{array}$$

## Estimate Differences

Estimate the difference.

$$\begin{array}{r} 1. \quad 836 \rightarrow \underline{\quad\quad} \\ -328 \rightarrow \underline{\quad\quad} \end{array} \quad \begin{array}{r} 2. \quad 59 \rightarrow \underline{\quad\quad} \\ -19 \rightarrow \underline{\quad\quad} \end{array} \quad \begin{array}{r} 3. \quad \$7.63 \rightarrow \underline{\quad\quad} \\ -\$1.88 \rightarrow \underline{\quad\quad} \end{array}$$

$$\begin{array}{r} 4. \quad 8,909 \rightarrow \underline{\quad\quad} \\ -2,408 \rightarrow \underline{\quad\quad} \end{array} \quad \begin{array}{r} 5. \quad 6,851 \rightarrow \underline{\quad\quad} \\ -2,055 \rightarrow \underline{\quad\quad} \end{array} \quad \begin{array}{r} 6. \quad 566 \rightarrow \underline{\quad\quad} \\ -377 \rightarrow \underline{\quad\quad} \end{array}$$

$$\begin{array}{r} 7. \quad \$12.78 \rightarrow \underline{\quad\quad} \\ -\$8.49 \rightarrow \underline{\quad\quad} \end{array} \quad \begin{array}{r} 8. \quad 379 \rightarrow \underline{\quad\quad} \\ -119 \rightarrow \underline{\quad\quad} \end{array} \quad \begin{array}{r} 9. \quad \$8.17 \rightarrow \underline{\quad\quad} \\ -\$5.51 \rightarrow \underline{\quad\quad} \end{array}$$

$$\begin{array}{r} 10. \quad 874 \rightarrow \underline{\quad\quad} \\ -188 \rightarrow \underline{\quad\quad} \end{array} \quad \begin{array}{r} 11. \quad 5,501 \rightarrow \underline{\quad\quad} \\ -3,288 \rightarrow \underline{\quad\quad} \end{array} \quad \begin{array}{r} 12. \quad \$6.93 \rightarrow \underline{\quad\quad} \\ -\$2.64 \rightarrow \underline{\quad\quad} \end{array}$$

## Mixed Review

Write the missing number.

$$13. \quad 8, 13, \underline{\quad\quad}, 23, 28 \quad 14. \quad 16, 23, 30, 37, \underline{\quad\quad} \quad 15. \quad \underline{\quad\quad}, 20, 29, 38, 47$$

Write the value of the underlined digit.

$$16. \quad 53,980 \quad \underline{\quad\quad} \quad 17. \quad 46,831 \quad \underline{\quad\quad} \quad 18. \quad \$367.15 \quad \underline{\quad\quad}$$

Add.

$$\begin{array}{r} 19. \quad 3,400 \\ + \quad 54 \\ \hline \end{array} \quad \begin{array}{r} 20. \quad 1,209 \\ + \quad 530 \\ \hline \end{array} \quad \begin{array}{r} 21. \quad 1,050 \\ + \quad 803 \\ \hline \end{array} \quad \begin{array}{r} 22. \quad 7,674 \\ + \quad 3,421 \\ \hline \end{array}$$

$$23. \quad 54 + 24 = \underline{\quad\quad} \quad 24. \quad 17 + 39 = \underline{\quad\quad} \quad 25. \quad 31 + 31 = \underline{\quad\quad}$$



## Subtract 3-Digit Numbers

Use base-ten blocks to find each difference.

1. 
$$\begin{array}{r} 352 \\ -236 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 532 \\ -248 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 436 \\ -127 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 355 \\ -194 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 532 \\ -377 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 644 \\ -357 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 457 \\ -285 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 512 \\ -369 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 653 \\ -545 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 327 \\ -127 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 438 \\ -249 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 367 \\ -175 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 452 \\ -259 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 345 \\ -168 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 318 \\ -129 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 414 \\ -126 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 378 \\ -187 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} 624 \\ -453 \\ \hline \end{array}$$

19. 
$$\begin{array}{r} 333 \\ -155 \\ \hline \end{array}$$

20. 
$$\begin{array}{r} 425 \\ -269 \\ \hline \end{array}$$

### Mixed Review

Add.

21. 
$$\begin{array}{r} 150 \\ + 30 \\ \hline \end{array}$$

22. 
$$\begin{array}{r} 60 \\ +90 \\ \hline \end{array}$$

23. 
$$\begin{array}{r} 72 \\ +35 \\ \hline \end{array}$$

24. 
$$\begin{array}{r} 56 \\ +28 \\ \hline \end{array}$$

25. 
$$\begin{array}{r} 165 \\ + 67 \\ \hline \end{array}$$

Subtract.

26. 
$$\begin{array}{r} 80 \\ -30 \\ \hline \end{array}$$

27. 
$$\begin{array}{r} 90 \\ -50 \\ \hline \end{array}$$

28. 
$$\begin{array}{r} 79 \\ -24 \\ \hline \end{array}$$

29. 
$$\begin{array}{r} 84 \\ -57 \\ \hline \end{array}$$

30. 
$$\begin{array}{r} 91 \\ -37 \\ \hline \end{array}$$

31. 
$$\begin{array}{r} 73 \\ -32 \\ \hline \end{array}$$

32. 
$$\begin{array}{r} 65 \\ -14 \\ \hline \end{array}$$

33. 
$$\begin{array}{r} 39 \\ -17 \\ \hline \end{array}$$

34. 
$$\begin{array}{r} 62 \\ -28 \\ \hline \end{array}$$

35. 
$$\begin{array}{r} 76 \\ -14 \\ \hline \end{array}$$

## Subtract 3-Digit Numbers

Find the difference. Estimate to check.

1. 
$$\begin{array}{r} 354 \\ -148 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 564 \\ -139 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 942 \\ -817 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 783 \\ -526 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 647 \\ -435 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 365 \\ -178 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 635 \\ -145 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 746 \\ -458 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 852 \\ -459 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 461 \\ -178 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 461 \\ -275 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 921 \\ -732 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 437 \\ -128 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 675 \\ -179 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 724 \\ -536 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 729 \\ -518 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 436 \\ -297 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} 982 \\ -695 \\ \hline \end{array}$$

19. 
$$\begin{array}{r} 514 \\ -226 \\ \hline \end{array}$$

20. 
$$\begin{array}{r} 372 \\ -158 \\ \hline \end{array}$$

### Mixed Review

21. 
$$\begin{array}{r} 119 \\ +669 \\ \hline \end{array}$$

22. 
$$\begin{array}{r} 542 \\ +669 \\ \hline \end{array}$$

23. 
$$\begin{array}{r} 908 \\ +103 \\ \hline \end{array}$$

24. 
$$\begin{array}{r} 275 \\ +479 \\ \hline \end{array}$$

25. 
$$\begin{array}{r} 77 \\ -12 \\ \hline \end{array}$$

26. 
$$\begin{array}{r} 48 \\ -15 \\ \hline \end{array}$$

27. 
$$\begin{array}{r} 95 \\ -37 \\ \hline \end{array}$$

28. 
$$\begin{array}{r} 41 \\ -8 \\ \hline \end{array}$$

29. 
$$\begin{array}{r} 603 \\ +279 \\ \hline \end{array}$$

30. 
$$\begin{array}{r} 400 \\ +118 \\ \hline \end{array}$$

31. 
$$\begin{array}{r} 525 \\ +175 \\ \hline \end{array}$$

32. 
$$\begin{array}{r} 235 \\ +66 \\ \hline \end{array}$$

33. Estimate  $386 - 212$ .

A 100

C 300

B 200

D 500

34. Find the sum of 239 and 170.

F 400

H 409

G 308

J 309

## Subtract Greater Numbers

Find the difference. Estimate to check.

1. 
$$\begin{array}{r} 1,500 \\ -1,132 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 1,406 \\ -1,258 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 1,600 \\ -1,198 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 2,902 \\ -2,435 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 2,700 \\ -1,137 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 3,408 \\ -2,135 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 4,800 \\ -1,654 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 3,306 \\ -3,108 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 6,300 \\ -2,229 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 8,200 \\ -5,777 \\ \hline \end{array}$$

11.  $7,005 - 3,605 = \underline{\hspace{2cm}}$

12.  $8,588 - 5,666 = \underline{\hspace{2cm}}$

13.  $2,175 - 1,987 = \underline{\hspace{2cm}}$

14.  $6,921 - 4,108 = \underline{\hspace{2cm}}$

### Mixed Review

Find each sum or difference.

15.  $19 + 6 = \underline{\hspace{2cm}}$

16.  $78 - 49 = \underline{\hspace{2cm}}$

17.  $84 - 27 = \underline{\hspace{2cm}}$

18.  $29 + 54 = \underline{\hspace{2cm}}$

Find the missing addend.

19.  $60 - \underline{\hspace{2cm}} = 24$

20.  $71 - \underline{\hspace{2cm}} = 35$

21.  $17 + \underline{\hspace{2cm}} = 58$

22.  $42 + \underline{\hspace{2cm}} = 79$

Find each sum.

23.  $996 + 132 = \underline{\hspace{2cm}}$

24.  $4,597 + 1,950 = \underline{\hspace{2cm}}$

25.  $3,956 + 2,007 = \underline{\hspace{2cm}}$

26.  $774 + 2,981 = \underline{\hspace{2cm}}$

27. Which number is between 4,888 and 6,123?

A 5,030

C 1,325

B 7,548

D 3,987

28. Which symbol completes the following:

$4,620 \bigcirc 4,062$

F >      G <      H =

## Problem Solving Skill

### Estimate or Exact Answer

Use the table for 1–2. Write whether you need an exact answer or an estimate. Then solve.

Bulbs by the Bag	
Item	Price
tulips	\$4.67
daffodils	\$2.39
irises	\$3.99

1. Justin has \$8. Can he buy a bag of tulips and a bag of irises?

---



---

2. Roxana pays for a bag of daffodils with \$3. How much change will she get?

---

Derek is planning to plant two types of flower bulbs. He has 39 tulip bulbs and 18 daffodil bulbs.

3. Derek wants to put a stick in the ground where he plants each bulb. Which sentence shows how many sticks he must have?
- A**  $39 + 18 = 57$   
**B**  $40 + 20 = 60$   
**C**  $40 + 18 = 58$   
**D**  $39 - 18 = 21$
4. After Derek plants the bulbs, he wants to pour at least 1 cup of water on each bulb. Which container should he fill with water?
- F** one that holds 30 cups  
**G** one that holds 40 cups  
**H** one that holds 60 cups  
**J** one that holds 80 cups

### Mixed Review

Solve.

5. 
$$\begin{array}{r} 364 \\ -291 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 109 \\ +637 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 518 \\ -462 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 279 \\ +584 \\ \hline \end{array}$$

## Write Expressions and Number Sentences

Write an expression for each.

1. Garnet bought 16 red buttons, 8 blue buttons, and 25 green buttons. How many blue and red buttons did she buy?
- \_\_\_\_\_

2. Kay has 13 more sheets of lined paper than unlined paper. She has 26 sheets of unlined paper. How many sheets of lined paper does she have?
- \_\_\_\_\_

3. Lyle has 152 minutes of recording time on a tape. He uses 65 minutes. How much time does he have left?
- \_\_\_\_\_

4. Neil had 35 cookies. He gave 26 cookies to his classmates. How many cookies does he have left?
- \_\_\_\_\_

Write + or - to make the number sentence true.

5.  $4 \bigcirc 2 = 2$

6.  $27 = 18 \bigcirc 9$

7.  $32 \bigcirc 3 = 35$

8.  $67 = 7 \bigcirc 60$

9.  $39 \bigcirc 16 = 55$

10.  $16 \bigcirc 11 = 5$

11.  $15 \bigcirc 7 = 8$

12.  $50 = 61 \bigcirc 11$

13.  $71 = 43 \bigcirc 28$

Write the missing number that makes the number sentence true.

14.  $9 + \underline{\quad} = 21$

15.  $8 = \underline{\quad} - 9$

16.  $\underline{\quad} + 81 = 93$

17.  $160 = 50 + \underline{\quad}$

18.  $\underline{\quad} - 123 = 16$

19.  $36 - \underline{\quad} = 5$

20.  $57 + 18 = \underline{\quad}$

21.  $115 - 113 = \underline{\quad}$

22.  $237 - \underline{\quad} = 195$

### Mixed Review

Find each sum.

23. 
$$\begin{array}{r} 2 \\ 7 \\ +9 \\ \hline \end{array}$$

24. 
$$\begin{array}{r} 3 \\ 6 \\ +8 \\ \hline \end{array}$$

25. 
$$\begin{array}{r} 5 \\ 4 \\ +7 \\ \hline \end{array}$$

26. 
$$\begin{array}{r} 8 \\ 8 \\ +3 \\ \hline \end{array}$$

# Make Equivalent Sets

## Vocabulary

Complete the sentence.

1. Sets that are \_\_\_\_\_ name the same amount.
- 

Make an equivalent set for each amount. List the bills and coins you used.



\_\_\_\_\_

\_\_\_\_\_

Make three equivalent sets for each amount. List the bills and coins you used.

4. \$1.60

5. \$6.50

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Mixed Review

Round to the nearest hundred.

6. 84 \_\_\_\_\_      7. 359 \_\_\_\_\_      8. 866 \_\_\_\_\_
9. 91 \_\_\_\_\_      10. 499 \_\_\_\_\_      11. 601 \_\_\_\_\_

12. Which digit is in the thousands place of 2,617? \_\_\_\_\_
13. Which digit is in the hundreds place of 8,310? \_\_\_\_\_
14. Which digit is in the thousands place of 19,036? \_\_\_\_\_

## Problem-Solving Strategy

### Make a Table

Make a table to solve.

1. Ivy has two \$1 bills, 4 quarters, 7 dimes, 1 nickel, and 4 pennies to buy a pack of paper that costs \$2.66. How many different equivalent sets of bills and coins can she use?


2. How many combinations of coins can you use to make 23¢?


### Mixed Review

Add.

$$\begin{array}{r} 3. \quad 152 \\ \quad 63 \\ + 256 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 87 \\ \quad 84 \\ + 75 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 136 \\ \quad 242 \\ + 192 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 101 \\ \quad 345 \\ + 72 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 49¢ \\ \quad + 26¢ \\ \hline \end{array}$$

$$\begin{array}{r} 8 \quad \$1.25 \\ \quad + \$0.75 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 17¢ \\ \quad + 66¢ \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 29¢ \\ \quad + 50¢ \\ \hline \end{array}$$

# Compare Amounts of Money

Use  $>$  or  $<$  to compare the amounts of money.

1. a.



b.



\_\_\_\_\_

2. a.



b.



\_\_\_\_\_

3. a.



b.



\_\_\_\_\_

## Mixed Review

4. Continue the pattern.

19, 29, 39, 49, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Find the sum.

$$\begin{array}{r} 5. \quad 85 \\ \quad 72 \\ + \quad 21 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 14 \\ \quad 33 \\ + \quad 67 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 565 \\ \quad + 128 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 26 \\ \quad 38 \\ + \quad 52 \\ \hline \end{array}$$

9. What is the value of the underlined digit in 10,729?

A 70

C 7,000

B 700

D 70,000

10. What is the value of the underlined digit in 18,246?

A 80

C 8,000

B 800

D 80,000



## Make Change

List the coins you would get as change from a \$1 bill.  
Use play money.

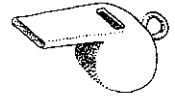
1. \$0.92



2. \$0.35



3. \$0.59



\_\_\_\_\_

\_\_\_\_\_

Complete the table. Use play money.

	Amount Paid	Cost of Item	Change
4.	\$1.00	\$0.19	_____
5.	\$5.00	\$2.73	_____
6.	\$6.00	\$5.31	_____

## Mixed Review

Find the sum or difference.

$$\begin{array}{r} 7. \quad 264 \\ + 599 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 3,672 \\ - 1,488 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 4,628 \\ - 1,999 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 2,870 \\ + 9,653 \\ \hline \end{array}$$

11. Order these numbers from least to greatest.

3,876

3,678

3,768

\_\_\_\_\_

12. What is one hundred more than 7,409?

\_\_\_\_\_

13. What is the standard form of five thousand two hundred seventeen?

\_\_\_\_\_

## Add and Subtract Money

Find the sum or difference. Estimate to check.

$$\begin{array}{r} 1. \quad \$6.43 \\ +\$2.15 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad \$5.63 \\ -\$1.50 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad \$2.59 \\ +\$1.37 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad \$4.93 \\ -\$1.78 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad \$0.38 \\ +\$5.24 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad \$3.27 \\ +\$2.06 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad \$6.55 \\ -\$4.90 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad \$4.02 \\ -\$3.91 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad \$3.50 \\ -\$1.98 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad \$1.90 \\ +\$2.64 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad \$3.94 \\ +\$2.75 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad \$8.56 \\ +\$4.03 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad \$9.08 \\ +\$1.98 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad \$5.00 \\ -\$3.59 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad \$4.50 \\ -\$1.29 \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad \$10.00 \\ -\$5.20 \\ \hline \end{array}$$

## Mixed Review

Write the missing number.

17. \_\_\_\_\_ tens = 50

18. \_\_\_\_\_ hundreds = 300

19. \_\_\_\_\_ tens = 90

20. \_\_\_\_\_ thousands = 6,000

21. \_\_\_\_\_ dimes = 4 quarters

22. 15 pennies = \_\_\_\_\_ dimes  
\_\_\_\_\_ pennies

23. 12 dimes = \_\_\_\_\_ dollars  
\_\_\_\_\_ dimes

24. 8 dimes = \_\_\_\_\_ quarters  
\_\_\_\_\_ dimes

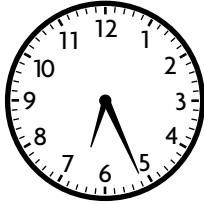
25. 26 nickels = \_\_\_\_\_ dollars  
\_\_\_\_\_ dimes

26. 15 dimes = \_\_\_\_\_ dollars  
\_\_\_\_\_ quarters

## Time to the Minute

Read and write each time.

1.



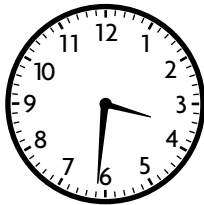
2.



3.



4.



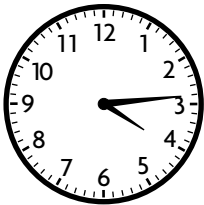
5.



6.



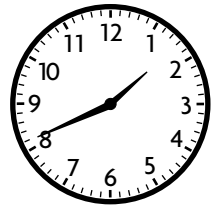
7.



8.



9.



### Mixed Review

$$\begin{array}{r} 10. \quad 632 \\ \quad 421 \\ +267 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 552 \\ \quad 773 \\ +804 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 139 \\ \quad 777 \\ +609 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 2,345 \\ \quad 1,827 \\ + 4,558 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad \$57.90 \\ \quad -\$39.00 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 4,414 \\ \quad -3,399 \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad \$15.99 \\ \quad +\$33.75 \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad 7,212 \\ \quad -3,946 \\ \hline \end{array}$$

**A.M. and P.M.**

Write the time, using A.M. or P.M.

1.



still sleeping

\_\_\_\_\_

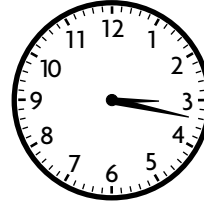
2.



dentist appointment

\_\_\_\_\_

3.



paint a picture

\_\_\_\_\_

4.



lunch time

\_\_\_\_\_

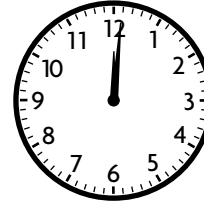
5.



the sunrise

\_\_\_\_\_

6.



this a new day

\_\_\_\_\_

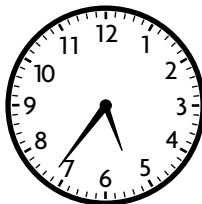
7.



this day is almost over

\_\_\_\_\_

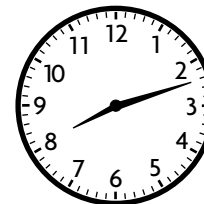
8.



do the dishes

\_\_\_\_\_

9.



eat breakfast

\_\_\_\_\_

**Mixed Review**

Write + or - to make the sentence true.

10.  $36 \bigcirc 27 = 9$

11.  $16 = 14 \bigcirc 2$

12.  $35 \bigcirc 18 = 53$

13.  $15 = 22 \bigcirc 7$

Subtract.

14. 
$$\begin{array}{r} \$1.68 \\ -\$0.09 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} \$5.62 \\ -\$3.17 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} \$8.13 \\ -\$3.59 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} \$12.72 \\ -\$ 7.49 \\ \hline \end{array}$$

## Elapsed Time

Use a clock to find the elapsed time.

1. start: 4:15 P.M.  
end: 4:30 P.M.

\_\_\_\_\_

2. start: 5:30 P.M.  
end: 5:45 P.M.

\_\_\_\_\_

3. start: 3:30 A.M.  
end: 4:15 A.M.

\_\_\_\_\_

Use a clock to find the end time.

4. starting time: 4:15 P.M.  
elapsed time: 30 minutes

\_\_\_\_\_

5. starting time: 2:00 A.M.  
elapsed time: 1 hour and  
30 minutes

\_\_\_\_\_

6. starting time: 7:30 A.M.  
elapsed time: 45 minutes

\_\_\_\_\_

7. starting time: 3:45 P.M.  
elapsed time: 15 minutes

\_\_\_\_\_

## Mixed Review

Write  $<$ ,  $>$ , or  $=$  in each  $\bigcirc$ .

8.  $1,980 - 1,298 \bigcirc 682$

9.  $782 + 886 \bigcirc 312 + 552$

10.  $\$6,887 + \$2,021 \bigcirc \$9,000$

11.  $499 - 107 \bigcirc 307$

Write in standard form.

12. six thousand, three hundred forty-two \_\_\_\_\_

13.  $10,000 + 5,000 + 900 + 30 + 2$  \_\_\_\_\_

14.  $20,000 + 7,000 + 400 + 80 + 7$  \_\_\_\_\_

15. eighty-four thousand, thirty-three \_\_\_\_\_

## Use a Schedule

Complete the schedule.

CAMP WINDY SCHEDULE		
Activity	Time	Elapsed Time
1. tennis	9:00 A.M. – 10:00 A.M.	1 hour
2. snack	10:00 A.M. – 10:25 A.M.	_____
3. crafts	_____ – 11:30 A.M.	1 hour 5 minutes
4. lunch	11:30 A.M. – _____	45 minutes
5. reading and games	_____ – 1:00 P.M.	45 minutes
6. swimming	1:00 P.M. – 2:15 P.M.	_____

For 7–10, use the schedule you completed.

7. Which activity ends at 10:25 A.M.? 11:30 A.M.?

\_\_\_\_\_

8. Reading and games begins \_\_\_\_\_ minutes after lunch begins.

\_\_\_\_\_

9. Crafts ends \_\_\_\_\_ hours \_\_\_\_\_ minutes after 9:00 A.M.

\_\_\_\_\_

10. Which activity is the longest?

\_\_\_\_\_

### Mixed Review

Write the greatest number possible with these digits.

11. 3, 7, 1, 5 \_\_\_\_\_ 12. 4, 1, 1, 5, 4 \_\_\_\_\_ 13. 6, 7, 3, 8, 5 \_\_\_\_\_

Tell whether the number is *odd* or *even*.

14. 16 \_\_\_\_\_ 15. 3,451 \_\_\_\_\_ 16. 5,467 \_\_\_\_\_ 17. 834 \_\_\_\_\_

Find 1,000 more.

18. 398 \_\_\_\_\_ 19. 1,309 \_\_\_\_\_ 20. 5,833 \_\_\_\_\_ 21. 10 \_\_\_\_\_

Compare the numbers. Write  $<$ ,  $>$ , or  $=$  in each  $\bigcirc$ .

22. 56  $\bigcirc$  29      23. 247  $\bigcirc$  417      24. 702  $\bigcirc$  702      25. 212  $\bigcirc$  199

## Use a Calendar

For 1–4, use the calendars.

January 2002						
Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

February 2002						
Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

March 2002						
Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

- The Youngs are leaving on January 1 and will be away for 3 weeks and 4 days. When will they return?  
\_\_\_\_\_
- Jamie left for a 2-week trip on February 26. She came home for two weeks and then left again for 6 days. Did she return on March 30? Explain.  
\_\_\_\_\_
- Tom is feeding a cat from February 6 to February 20. How many days is he feeding it? How many weeks?  
\_\_\_\_\_
- Tom is keeping Becky's hamsters at his house from March 13 to March 20. How many days is he keeping the hamsters? How many weeks?  
\_\_\_\_\_
- How many days is 2 weeks and 1 day?  
\_\_\_\_\_
- Eighteen days is \_\_\_\_\_ weeks and \_\_\_\_\_ days.

### Mixed Review

Round each number to the nearest thousand.

7. 3,714 \_\_\_\_\_      8. 5,901 \_\_\_\_\_      9. 6,379 \_\_\_\_\_

10. Write 3,072 in word form. \_\_\_\_\_

11. Write 531 in word form. \_\_\_\_\_

# Problem Solving Skill

## Sequence Events

For 1–4, use the calendars and the list.

September 2002						
Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

October 2002						
Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

<i>Today's date: September 9</i>
<i>Date of hay ride: October 13</i>
<i>Things to do:</i>
• <i>Rent hay wagon 3 weeks before hay ride.</i>
• <i>Send invitations in 8 days.</i>
• <i>Order food 3 days before hay ride.</i>

- Use the list of things to do to help plan a hay ride. Write what needs to be done in order and include the date for each.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- What if today's date is September 17 and the date of the hay ride changes to October 21? Write what needs to be done in order and include the date for each.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- Loni leaves on September 16 and will be gone for 11 days. She wants to cancel her paper delivery 1 week before she leaves and start it again the day she returns. What should she tell her paper girl?  
 \_\_\_\_\_  
 \_\_\_\_\_
- Max has been invited to go on the hay ride. He will be out of town for 17 days beginning on September 25. Will he be home in time to go on the hay ride on October 13?  
 \_\_\_\_\_  
 \_\_\_\_\_

### Mixed Review

5.  $175 + \underline{\hspace{2cm}} = 675$       6.  $60 - \underline{\hspace{2cm}} = 35$       7.  $237 + \underline{\hspace{2cm}} = 981$

### PW34 Practice



## Algebra: Connect Addition and Multiplication

For 1–4, choose the letter of the number sentence that matches.

- |   |                      |
|---|----------------------|
| 1. $6 + 6 + 6 + 6 + 6 = 30$ _____                     | A $8 \times 4 = 32$  |
| 2. $4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = 32$ _____         | B $10 \times 2 = 20$ |
| 3. $5 + 5 + 5 + 5 = 20$ _____                         | C $5 \times 6 = 30$  |
| 4. $2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 20$ _____ | D $4 \times 5 = 20$  |

For 5–22, find the total. You may wish to draw a picture.

- |                                |                            |                                    |
|--------------------------------|----------------------------|------------------------------------|
| 5. 2 groups of 6 = ____        | 6. 3 groups of 5 = ____    | 7. 2 groups of 4 = ____            |
| 8. 5 groups of 2 = ____        | 9. 6 groups of 3 = ____    | 10. 7 groups of 3 = ____           |
| 11. $3 + 3 + 3 + 3 =$ ____     | 12. $6 + 6 + 6 =$ ____     | 13. $8 + 8 =$ ____                 |
| 14. $5 + 5 + 5 + 5 + 5 =$ ____ | 15. $2 + 2 + 2 + 2 =$ ____ | 16. $1 + 1 + 1 + 1 + 1 + 1 =$ ____ |
| 17. $6 \times 1 =$ ____        | 18. $3 \times 2 =$ ____    | 19. $2 \times 9 =$ ____            |
| 20. $7 \times 2 =$ ____        | 21. $1 \times 7 =$ ____    | 22. $5 \times 5 =$ ____            |

### Mixed Review

Write the missing number that makes the sentence true.

- |                        |                         |                         |                           |
|------------------------|-------------------------|-------------------------|---------------------------|
| 23. $4 + \square = 16$ | 24. $5 = \square - 3$   | 25. $\square + 16 = 22$ | 26. $130 = 100 + \square$ |
| 27. $\square + 7 = 23$ | 28. $12 + \square = 30$ | 29. $15 = \square + 2$  | 30. $70 + \square = 85$   |

Add.

- |   |   |   |   |
|---|---|---|---|
| 31. $\begin{array}{r} 28 \\ + 17 \\ \hline \end{array}$   | 32. $\begin{array}{r} 156 \\ + 813 \\ \hline \end{array}$     | 33. $\begin{array}{r} 1,608 \\ + 1,097 \\ \hline \end{array}$ | 34. $\begin{array}{r} 3,499 \\ + 3,499 \\ \hline \end{array}$ |
| 35. $\begin{array}{r} 362 \\ + 412 \\ \hline \end{array}$ | 36. $\begin{array}{r} 2,130 \\ + 9,805 \\ \hline \end{array}$ | 37. $\begin{array}{r} 4,091 \\ + 1,904 \\ \hline \end{array}$ | 38. $\begin{array}{r} 2,694 \\ + 1,739 \\ \hline \end{array}$ |

# Multiply with 2 and 5

## Vocabulary

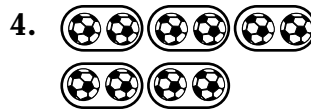
Circle the word that best completes each sentence.

- (Factors, Products) are numbers that you multiply.
- The answer to a multiplication problem is the (factor, product).

Find the product.



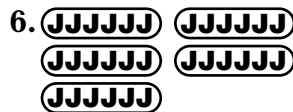
$3 \times 5 = \underline{\quad}$



$5 \times 2 = \underline{\quad}$



$2 \times 9 = \underline{\quad}$



$5 \times 6 = \underline{\quad}$



$3 \times 2 = \underline{\quad}$

Complete.

8.  $7 \times 5 = \underline{\quad}$     9.  $\underline{\quad} = 3 \times 2$     10.  $8 \times 5 = \underline{\quad}$     11.  $\underline{\quad} = 2 \times 2$   
 12.  $9 \times 5 = \underline{\quad}$     13.  $2 \times 5 = \underline{\quad}$     14.  $5 \times 6 = \underline{\quad}$     15.  $8 \times 2 = \underline{\quad}$

## Mixed Review

16.  $13 + 34 + 45 = \underline{\quad}$     17.  $8,237 - 3,389 = \underline{\quad}$   
 18.  $\begin{array}{r} \$5.67 \\ + \$3.57 \\ \hline \end{array}$     19.  $\begin{array}{r} \$20.72 \\ + \$14.98 \\ \hline \end{array}$     20.  $\begin{array}{r} \$28.36 \\ + \$ 1.70 \\ \hline \end{array}$     21.  $\begin{array}{r} \$52.80 \\ + \$19.55 \\ \hline \end{array}$

22. Round 6,889 to the nearest hundred.  
 \_\_\_\_\_
23. The elapsed time from 3:15 P.M. to 5:15 P.M. is ?.  
**A** 15 minutes    **C** two hours  
**B** one hour    **D** five hours

## Arrays

Draw an array for each.

1.

$$3 \text{ rows of } 2 = 6$$

2.

$$4 \text{ rows of } 5 = 20$$

3.

$$2 \text{ rows of } 6 = 12$$

4.

$$4 \times 2 = 8$$

5.

$$4 \times 6 = 24$$

6.

$$6 \times 3 = 18$$

Find the product. You may wish to draw an array.

7.  $6 \times 2 = \underline{\quad}$

8.  $5 \times 2 = \underline{\quad}$

9.  $2 \times 7 = \underline{\quad}$

10.  $5 \times 5 = \underline{\quad}$

11.  $1 \times 4 = \underline{\quad}$

12.  $9 \times 3 = \underline{\quad}$

## Mixed Review

Write the missing number that makes the sentence true.

13.  $34 - \boxed{\quad} = 26$

14.  $\boxed{\quad} - 12 = 28$

15.  $\boxed{\quad} + 53 = 82$

16.  $98 + 102 = \boxed{\quad}$

Add.

$$\begin{array}{r} 17. \quad 132 \\ \quad 132 \\ + 132 \\ \hline \end{array}$$

$$\begin{array}{r} 18. \quad 458 \\ \quad 458 \\ + 458 \\ \hline \end{array}$$

$$\begin{array}{r} 19. \quad 722 \\ \quad 722 \\ + 722 \\ \hline \end{array}$$

$$\begin{array}{r} 20. \quad 537 \\ \quad 537 \\ + 537 \\ \hline \end{array}$$

$$\begin{array}{r} 21. \quad 281 \\ \quad 821 \\ + 128 \\ \hline \end{array}$$

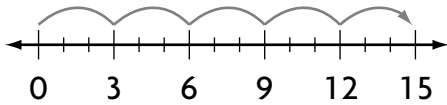
$$\begin{array}{r} 22. \quad 76 \\ \quad 75 \\ + 74 \\ \hline \end{array}$$

$$\begin{array}{r} 23. \quad 2,521 \\ \quad 6,642 \\ + 7,908 \\ \hline \end{array}$$

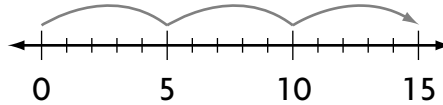
$$\begin{array}{r} 24. \quad 3,715 \\ \quad 6,142 \\ + 4,143 \\ \hline \end{array}$$

## Multiply with 3

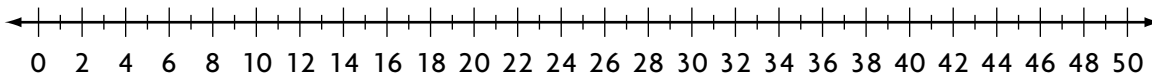
Use the number line to find the product.



$1.5 \times 3 = \underline{\quad}$



$2.3 \times 5 = \underline{\quad}$



$3. 5 \times 5 = \underline{\quad} \quad 4. 4 \times 3 = \underline{\quad} \quad 5. 9 \times 3 = \underline{\quad} \quad 6. 2 \times 3 = \underline{\quad}$

$7. 4 \times 5 = \underline{\quad} \quad 8. 3 \times 8 = \underline{\quad} \quad 9. 7 \times 2 = \underline{\quad} \quad 10. 3 \times 3 = \underline{\quad}$

$11. 9 \times 5 = \underline{\quad} \quad 12. 6 \times 3 = \underline{\quad} \quad 13. 2 \times 2 = \underline{\quad} \quad 14. 5 \times 3 = \underline{\quad}$

$15. 8 \times 2 = \underline{\quad} \quad 16. 5 \times 9 = \underline{\quad} \quad 17. 2 \times 9 = \underline{\quad} \quad 18. 6 \times 5 = \underline{\quad}$

$19. 5 \times 4 = \underline{\quad} \quad 20. 3 \times 9 = \underline{\quad} \quad 21. 5 \times 2 = \underline{\quad} \quad 22. 7 \times 3 = \underline{\quad}$

$23. 8 \times 5 = \underline{\quad} \quad 24. 7 \times 5 = \underline{\quad} \quad 25. 2 \times 5 = \underline{\quad}$

$26. 5 \times 8 = \underline{\quad} \quad 27. 3 \times 4 = \underline{\quad} \quad 28. 2 \times 7 = \underline{\quad}$

$29. 3 \times 6 = \underline{\quad} \quad 30. 9 \times 2 = \underline{\quad} \quad 31. 8 \times 4 = \underline{\quad}$

### Mixed Review

Circle the letter for the correct answer.

$32. 24 + 56 + 12 = \blacksquare \quad 33. 17 + 11 + 45 = \blacksquare \quad 34. 12 + 9 + 19 = \blacksquare$

A 29      C 101      F 53      H 84      A 40      C 45

B 82      D 92      G 73      J 102      B 42      D 49

$35. 62 + 15 + 27 = \blacksquare \quad 36. 25 + 35 + 45 = \blacksquare \quad 37. 26 + 38 + 7 = \blacksquare$

F 88      H 104      A 75      C 90      F 69      H 78

G 92      J 114      B 85      D 105      G 71      J 81

## Problem Solving Skill

### Too Much/Too Little Information

Garden Supplies	
hoe	\$9
rake	\$8
package of seeds	\$2

For 1–6, use the table.

For 1–4, write *a*, *b*, or *c* to tell whether the problem has

*a*. too much information, *b*. too little information, or *c*. the right amount of information. Solve those with too much or the right amount of information.

- Mario bought 2 rakes. He was in the garden store 15 minutes. How much did Mario spend?
- Cecil left at 5:00 P.M. to go to the garden store. He spent more on seeds than he did on other garden supplies. How much did he spend on seeds?

- Jerome had \$20. He bought 7 packages of seeds. How much did he spend?

- Elaine had \$20. She bought one hoe and two shovels. How much did she spend?

- You have \$25 to spend on garden supplies. Which items can you buy?

- A** 2 hoes, 2 rakes  
**B** 3 rakes, a package of seeds  
**C** 2 hoes, 4 packages of seeds  
**D** a hoe, 2 rakes

- You have \$30. How much more money do you need if you choose to buy 4 packages of seeds, 2 rakes and 2 hoes?

- F** \$42                      **H** \$12  
**G** \$13                      **J** \$10

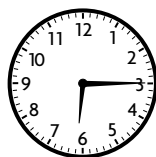
### Mixed Review

Write the time.

7.



8.



9.



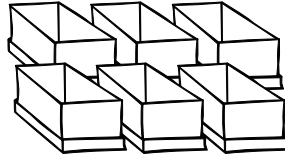
10.



- Are the hours between midnight and noon A.M. or P.M.? \_\_\_\_\_

## Multiply with 0 and 1

Complete the multiplication sentence to show the number of sneakers.



1.  $3 \times 1 = \underline{\quad}$

2.  $6 \times 0 = \underline{\quad}$

3.  $1 \times 2 = \underline{\quad}$

Find the product.

4.  $8 \times 0 = \underline{\quad}$     5.  $1 \times 6 = \underline{\quad}$     6.  $0 \times 5 = \underline{\quad}$     7.  $9 \times 1 = \underline{\quad}$

8.  $1 \times 4 = \underline{\quad}$     9.  $0 \times 3 = \underline{\quad}$     10.  $1 \times 8 = \underline{\quad}$     11.  $0 \times 1 = \underline{\quad}$

12.  $0 \times 0 = \underline{\quad}$     13.  $5 \times 1 = \underline{\quad}$     14.  $7 \times 0 = \underline{\quad}$     15.  $2 \times 5 = \underline{\quad}$

16.  $5 \times 4 = \underline{\quad}$     17.  $6 \times 3 = \underline{\quad}$     18.  $3 \times 7 = \underline{\quad}$     19.  $8 \times 2 = \underline{\quad}$

### Mixed Review

20. Find the value of the bold digit.

43,**9**75 \_\_\_\_\_      7**8**,214 \_\_\_\_\_

**9**0,255 \_\_\_\_\_      3**3**,436 \_\_\_\_\_

29,**4**67 \_\_\_\_\_      89,**6**12 \_\_\_\_\_

21. Find the sum of 198 and 864. \_\_\_\_\_

22. Put the numbers in order from least to greatest.

74      44      62      47

\_\_\_\_\_

23. Put the numbers in order from greatest to least.

29      59      13      68

\_\_\_\_\_

24.  $3 + 3 + 3 + 3 = \underline{\quad}$

25.  $2 + 2 + 2 = \underline{\quad}$

## Multiply with 4

Find the product.

1. 
$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 1 \\ \times 4 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 0 \\ \times 4 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 1 \\ \times 4 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 5 \\ \times 1 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$$

19. 
$$\begin{array}{r} 0 \\ \times 3 \\ \hline \end{array}$$

20. 
$$\begin{array}{r} 1 \\ \times 2 \\ \hline \end{array}$$

21. 
$$\begin{array}{r} 7 \\ \times 0 \\ \hline \end{array}$$

22.  $4 \times 6 = \underline{\quad}$

23.  $1 \times 0 = \underline{\quad}$

24.  $5 \times 3 = \underline{\quad}$

25.  $0 \times 9 = \underline{\quad}$

26.  $4 \times 0 = \underline{\quad}$

27.  $5 \times 4 = \underline{\quad}$

28.  $1 \times 0 = \underline{\quad}$

29.  $8 \times 3 = \underline{\quad}$

### Mixed Review

30. 
$$\begin{array}{r} \$6.27 \\ +\$2.66 \\ \hline \end{array}$$

31. 
$$\begin{array}{r} \$7.99 \\ -\$4.44 \\ \hline \end{array}$$

32. 
$$\begin{array}{r} \$8.31 \\ -\$5.98 \\ \hline \end{array}$$

33. 
$$\begin{array}{r} \$2.28 \\ +\$7.95 \\ \hline \end{array}$$

34.  $305 + 882 + 406 = \underline{\hspace{2cm}}$

35.  $761 + 75 = \underline{\hspace{2cm}}$

36. Which shows the numbers in order from least to greatest?

A 786      867      678

B 867      678      786

C 678      786      867

What is the value of the 4 in each of these numbers?

37. 9,412

38. 24

39. 46,118

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Problem Solving Strategy

### Find a Pattern

Use *find a pattern* to solve.

1. Quintin's pattern is 2, 5, 8, 11, 14, and 17. What is the rule? What are the next four numbers in his pattern?  
\_\_\_\_\_
2. Vernon's pattern is 12, 15, 19, 22, and 26. What is the rule? What are the next four numbers in his pattern?  
\_\_\_\_\_
3. Laura's pattern is 14, 24, 34, 44, and 54. What is the rule? What are the next four numbers in her pattern?  
\_\_\_\_\_
4. Marianne's pattern is 31, 36, 41, 46, and 51. What is the rule? What are the next four numbers in her pattern?  
\_\_\_\_\_
5. Sharon's pattern is 54, 51, 48, 45, 42, and 39. What is the rule? What are the next four numbers in her pattern?  
\_\_\_\_\_
6. Tom's pattern is 10, 12, 13, 15, 16, and 18. What is the rule? What are the next four numbers in his pattern?  
\_\_\_\_\_
7. Myrone's pattern is 1, 5, 9, 13, 17, and 21. What is the rule? What are the next four numbers in his pattern?  
\_\_\_\_\_
8. Melinda's pattern is 9, 7, 10, 8, 11, 9, and 12. What is the rule? What are the next four numbers in her pattern?  
\_\_\_\_\_

### Mixed Review

Round to the nearest ten thousands.

9. 127,803 \_\_\_\_\_ 10. 199,975 \_\_\_\_\_ 11. 259,099 \_\_\_\_\_

Write  $>$ ,  $<$ , or  $=$ .

12. \$5.67 \_\_\_\_\_ \$5.76 13. \$16.10 \_\_\_\_\_ \$16.09 14. \$4.89 \_\_\_\_\_ \$4.90

Find 100 more than the number.

15. 2,376 \_\_\_\_\_ 16. 45,903 \_\_\_\_\_ 17. 119,752 \_\_\_\_\_

### PW42 Practice



## Practice Multiplication

Complete the tables.

1.

×	3	6	7	2	5
4					

2.

×	5	4	6	7	8
5					

3.

×	6	7	8	3	5
3					

4.

×	8	2	4	3	6
2					

Find the product.

5.  $1 \times 6 =$  \_\_\_\_\_

6.  $2 \times 8 =$  \_\_\_\_\_

7.  $2 \times 7 =$  \_\_\_\_\_

8.  $4 \times 8 =$  \_\_\_\_\_

9.  $3 \times 7 =$  \_\_\_\_\_

10.  $4 \times 2 =$  \_\_\_\_\_

11.  $8 \times 3 =$  \_\_\_\_\_

12.  $4 \times 6 =$  \_\_\_\_\_

13.  $2 \times 9 =$  \_\_\_\_\_

14.  $4 \times 1 =$  \_\_\_\_\_

15.  $5 \times 5 =$  \_\_\_\_\_

16.  $1 \times 3 =$  \_\_\_\_\_

### Mixed Review

17. How many minutes are between 11:30 P.M. and 11:45 P.M.? \_\_\_\_\_

18. 
$$\begin{array}{r} \$5.98 \\ +\$2.07 \\ \hline \end{array}$$

19. 
$$\begin{array}{r} 702 \\ - 67 \\ \hline \end{array}$$

20. 
$$\begin{array}{r} \$ 0.71 \\ +\$10.49 \\ \hline \end{array}$$

21. 
$$\begin{array}{r} 6,498 \\ - 3,512 \\ \hline \end{array}$$

22. \_\_\_\_\_ + 21 = 29

23.  $72 - 33 =$  \_\_\_\_\_

24.  $923 + 765 =$  \_\_\_\_\_

25.  $4,099 - 170 =$  \_\_\_\_\_

26. Which shows the numbers in order from greatest to least?

**A** 789 897 987

**B** 987 897 789

**C** 897 987 789

## Algebra: Find Missing Factors

Find the missing factor.

1. \_\_\_\_\_  $\times$  4 = 20
2. 7  $\times$  \_\_\_\_\_ = 35
3. \_\_\_\_\_  $\times$  6 = 18
4. 8  $\times$  \_\_\_\_\_ = 32
5. \_\_\_\_\_  $\times$  3 = 27
6. 5  $\times$  \_\_\_\_\_ = 30
7. \_\_\_\_\_  $\times$  5 = 15
8. \_\_\_\_\_  $\times$  3 = 21
9. 8  $\times$  \_\_\_\_\_ = 24
10. 5  $\times$  \_\_\_\_\_ = 25
11. \_\_\_\_\_  $\times$  4 = 24
12. \_\_\_\_\_  $\times$  4 = 36
13. \_\_\_\_\_  $\times$  4 = 32
14. 4  $\times$  \_\_\_\_\_ = 20
15. 2  $\times$  \_\_\_\_\_ = 12
16. 5  $\times$  \_\_\_\_\_ = 45
17. 8  $\times$  \_\_\_\_\_ = 24
18. \_\_\_\_\_  $\times$  2 = 10
19. 3  $\times$  \_\_\_\_\_ = 27
20. \_\_\_\_\_  $\times$  3 = 3
21. 4  $\times$  \_\_\_\_\_ = 16
22. 7  $\times$  \_\_\_\_\_ = 2  $\times$  \_\_\_\_\_
23. 5  $\times$  \_\_\_\_\_ = 45 - 5

### Mixed Review

Add 8 to each.

24. 42
  25. 216
  26. 181
  27. 437
- \_\_\_\_\_

Write the total value of each.

28. 2 dimes  
3 nickels  
4 pennies
  29. 3 quarters  
5 nickels  
8 pennies
  30. 3 \$1-bills  
4 quarters  
10 dimes
  31. 2 \$1-bills  
2 quarters  
2 dimes
- \_\_\_\_\_

32. \$17.25 + \$6.00 = \_\_\_\_\_
33. \$0.79 + \$0.40 + \$0.88 = \_\_\_\_\_

Complete the tables.

34.

$\times$	9	5	1	4	6
2					

35.

$\times$	4	0	3	8	7
0					

## Multiply with 6

Complete.

1. An \_\_\_\_\_ shows objects in rows and columns. In arrays for multiplication, the first factor is the number of rows, and the second factor is the number of columns.

Find each product.

2.  $4 \times 6 = \underline{\quad}$

3.  $3 \times 8 = \underline{\quad}$

4.  $6 \times 2 = \underline{\quad}$

5.  $5 \times 4 = \underline{\quad}$

6.  $8 \times 6 = \underline{\quad}$

7.  $6 \times 5 = \underline{\quad}$

8.  $7 \times 6 = \underline{\quad}$

9.  $3 \times 9 = \underline{\quad}$

10.  $6 \times 6 = \underline{\quad}$

11.  $6 \times 0 = \underline{\quad}$

12.  $1 \times 6 = \underline{\quad}$

13.  $4 \times 9 = \underline{\quad}$

14. 
$$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

Complete the multiplication table.

18.	$\times$	1	2	3	4	5	6	7	8	9
	6	$\underline{\quad}$	$\underline{\quad}$	$\underline{\quad}$	$\underline{\quad}$	$\underline{\quad}$	$\underline{\quad}$	$\underline{\quad}$	$\underline{\quad}$	$\underline{\quad}$

### Mixed Review

Solve.

19. 
$$\begin{array}{r} 4,009 \\ -2,389 \\ \hline \end{array}$$

20. 
$$\begin{array}{r} 387 \\ +906 \\ \hline \end{array}$$

21. 
$$\begin{array}{r} \$62.85 \\ -\$34.99 \\ \hline \end{array}$$

22. 
$$\begin{array}{r} 1,709 \\ +5,913 \\ \hline \end{array}$$

23. 
$$\begin{array}{r} \$5.49 \\ +\$3.89 \\ \hline \end{array}$$

24. 
$$\begin{array}{r} 7,360 \\ -2,507 \\ \hline \end{array}$$

25. 
$$\begin{array}{r} 6,906 \\ -6,079 \\ \hline \end{array}$$

26. 
$$\begin{array}{r} \$4,788 \\ +\$613 \\ \hline \end{array}$$

## Multiply with 7

Find each product.

1.  $7 \times 6 =$  \_\_\_\_\_

2.  $5 \times 2 =$  \_\_\_\_\_

3.  $3 \times 7 =$  \_\_\_\_\_

4.  $7 \times 4 =$  \_\_\_\_\_

5.  $6 \times 7 =$  \_\_\_\_\_

6.  $4 \times 8 =$  \_\_\_\_\_

7.  $9 \times 7 =$  \_\_\_\_\_

8.  $5 \times 1 =$  \_\_\_\_\_

9.  $7 \times 0 =$  \_\_\_\_\_

10.  $1 \times 7 =$  \_\_\_\_\_

11.  $7 \times 5 =$  \_\_\_\_\_

12.  $7 \times 2 =$  \_\_\_\_\_

Complete the multiplication table.

13.	$\times$	1	2	3	4	5	6	7	8	9
	7	_____	_____	_____	_____	_____	_____	_____	_____	_____

Complete.

14.  $9 \times 7 =$  \_\_\_\_\_ + 33

15.  $7 \times$  \_\_\_\_\_ =  $34 - 13$

16. \_\_\_\_\_  $\times 7 = 7 + 7$

### Mixed Review

Write the value of the underlined digit.

17. 53,009 \_\_\_\_\_

18. 6,842 \_\_\_\_\_

19. 92,106 \_\_\_\_\_

20. 4,222 \_\_\_\_\_

21. 11,001 \_\_\_\_\_

22. 6,681 \_\_\_\_\_

Round to the nearest hundred.

23. 5,349 \_\_\_\_\_

24. 478 \_\_\_\_\_

25. 14,780 \_\_\_\_\_

26. 26,318 \_\_\_\_\_

27. 1,159 \_\_\_\_\_

28. 879 \_\_\_\_\_

Subtract 475 from each number.

29. 690

30. 4,330

31. 2,065

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

32. 1,010

33. 17,342

34. 9,999

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Multiply with 8**

Find each product.

1.  $4 \times 8 = \underline{\quad}$

2.  $8 \times 7 = \underline{\quad}$

3.  $4 \times 6 = \underline{\quad}$

4.  $3 \times 8 = \underline{\quad}$

5.  $8 \times 9 = \underline{\quad}$

6.  $6 \times 7 = \underline{\quad}$

7.  $8 \times 0 = \underline{\quad}$

8.  $2 \times 8 = \underline{\quad}$

9.  $5 \times 8 = \underline{\quad}$

10. 
$$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 1 \\ \times 8 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

Complete the multiplication table.

14.	$\times$	1	2	3	4	5	6	7	8	9
	8	$\underline{\quad}$	$\underline{\quad}$	$\underline{\quad}$	$\underline{\quad}$	$\underline{\quad}$	$\underline{\quad}$	$\underline{\quad}$	$\underline{\quad}$	$\underline{\quad}$

Compare. Write  $<$ ,  $>$ , or  $=$  in each  $\bigcirc$ .

15.  $8 \times 4 \bigcirc 2 \times 6$

16.  $8 \times 3 \bigcirc 6 \times 8$

17.  $7 \times 0 \bigcirc 8 \times 0$

18.  $4 \times 5 \bigcirc 6 \times 7$

19.  $8 \times 9 \bigcirc 3 \times 4$

20.  $5 \times 5 \bigcirc 8 \times 8$

**Mixed Review**

Solve.

21.  $32 + 44 + 81 = \underline{\quad}$

22.  $56 + 14 + 39 = \underline{\quad}$

23.  $82 + 8 + 18 = \underline{\quad}$

24.  $28 + 27 + 42 = \underline{\quad}$

25.  $4,290 - 3,735 = \underline{\quad}$

26.  $10,802 - 6,529 = \underline{\quad}$

27.  $5,000 - 655 = \underline{\quad}$

28.  $3,800 - 799 = \underline{\quad}$

## Problem Solving Strategy

### Draw a Picture

Use *draw a picture* to solve.

- |   |  |
|---|--|
| <p>1. Mrs. King has 14 pictures. Name one way she can arrange them in equal rows.</p> <p>_____</p>  | <p>2. Mr. Queen decides to arrange his 18 pictures in equal rows of 6. How many rows will he have?</p> <p>_____</p>                    |
| <p>3. Kevin has 9 squares. How can he arrange them to form one large square?</p> <p>_____</p>   | <p>4. Trisha has 36 squares. How can she arrange them to form one large square?</p> <p>_____</p>                                       |
| <p>5. Alan put 27 stickers in 3 equal rows. How many stickers did he put in each row?</p> <p>_____</p>  | <p>6. June put 32 stickers in 4 equal rows. How many stickers did she put in each row?</p> <p>_____</p>                                |
| <p>7. Wes baked cookies. He put 18 cookies on a cookie sheet. If he made 6 equal rows of cookies, how many cookies did he put in each row?</p> <p>_____</p> | <p>8. Patty baked cupcakes. She put 21 in a box. If she made 7 equal rows, how many cupcakes did she put in each row?</p> <p>_____</p> |

### Mixed Review

Write how many there are in all.

9. 3 groups of 8

\_\_\_\_\_

10. 7 groups of 4

\_\_\_\_\_

11. 3 groups of 5

\_\_\_\_\_

Subtract.

12. 
$$\begin{array}{r} 1,609 \\ - 854 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 4,000 \\ - 2,450 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 15,830 \\ - 9,622 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 6,317 \\ - 4,719 \\ \hline \end{array}$$

## Algebra: Practice the Facts

Find each product.

1.  $5 \times 4 = \underline{\quad}$

2.  $6 \times 6 = \underline{\quad}$

3.  $8 \times 6 = \underline{\quad}$

4.  $7 \times 7 = \underline{\quad}$

5.  $3 \times 5 = \underline{\quad}$

6.  $6 \times 9 = \underline{\quad}$

7.  $8 \times 9 = \underline{\quad}$

8.  $6 \times 7 = \underline{\quad}$

9.  $5 \times 6 = \underline{\quad}$

10.  $8 \times 5 = \underline{\quad}$

11.  $8 \times 7 = \underline{\quad}$

12.  $8 \times 8 = \underline{\quad}$

13.  $5 \times 7 = \underline{\quad}$

14.  $9 \times 7 = \underline{\quad}$

15.  $5 \times 9 = \underline{\quad}$

16. 
$$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$$

19. 
$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$

20. 
$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$

21. 
$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$

22. 
$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

23. 
$$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$$

Find each missing factor.

24.  $5 \times \underline{\quad} = 45$

25.  $9 \times \underline{\quad} = 36$

26.  $8 \times \underline{\quad} = 16$

27.  $3 \times \underline{\quad} = 27$

28.  $7 \times \underline{\quad} = 63$

29.  $\underline{\quad} \times 8 = 24$

30.  $\underline{\quad} \times 6 = 54$

31.  $\underline{\quad} \times 4 = 28$

32.  $6 \times \underline{\quad} = 24$

### Mixed Review

Add.

33. 
$$\begin{array}{r} 45 \\ 16 \\ +27 \\ \hline \end{array}$$

34. 
$$\begin{array}{r} 43 \\ 57 \\ +87 \\ \hline \end{array}$$

35. 
$$\begin{array}{r} 44 \\ 55 \\ +66 \\ \hline \end{array}$$

36. 
$$\begin{array}{r} 73 \\ 64 \\ 46 \\ +11 \\ \hline \end{array}$$

# Multiply with 9 and 10

Complete the table.

1.	×	1	2	3	4	5	6	7	8	9
	9	_____	_____	_____	_____	_____	_____	_____	_____	_____
	10	_____	_____	_____	_____	_____	_____	_____	_____	_____

Find the product.

$$\begin{array}{r} 2. \quad 9 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 10 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 10 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 10 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 9 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 9 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 10 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 10 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 7 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 10 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 9 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 10 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 9 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 10 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad 8 \\ \times 9 \\ \hline \end{array}$$

$$17. \quad 8 \times 10 = \underline{\quad}$$

$$18. \quad 9 \times 2 = \underline{\quad}$$

$$19. \quad 1 \times 10 = \underline{\quad}$$

$$20. \quad 1 \times 9 = \underline{\quad}$$

$$21. \quad 9 \times 10 = \underline{\quad}$$

$$22. \quad 9 \times 5 = \underline{\quad}$$

$$23. \quad 10 \times 2 = \underline{\quad}$$

$$24. \quad 10 \times 8 = \underline{\quad}$$

$$25. \quad 9 \times 7 = \underline{\quad}$$

Find the missing factor.

$$26. \quad \square \times 8 = 0$$

$$27. \quad \square \times 2 = 20$$

$$28. \quad 7 \times \square = 7$$

$$29. \quad 9 \times \square = 6 \times 3$$

$$30. \quad 5 \times 8 = \square \times 10$$

$$31. \quad \square \times 9 = 6 \times 6$$

## Mixed Review

Add or subtract.

$$\begin{array}{r} 32. \quad \$8.09 \\ -\$3.55 \\ \hline \end{array}$$

$$\begin{array}{r} 33. \quad \$7.00 \\ -\$6.99 \\ \hline \end{array}$$

$$\begin{array}{r} 34. \quad \$5.55 \\ \quad \$4.44 \\ +\$3.33 \\ \hline \end{array}$$

$$\begin{array}{r} 35. \quad \$1.29 \\ \quad \$1.39 \\ +\$1.49 \\ \hline \end{array}$$





## Algebra: Find a Rule

Write a rule for each table. Then complete the table.

1.

<b>Flutes</b>	2	3	4	5	6
<b>Trumpets</b>	6	9	12		

Rule:

2.

<b>Cups</b>	1	2	3	4	5	6
<b>Ounces</b>	8	16	24			

Rule:

3.

<b>Plates</b>	5	6	7	8	9	10
<b>Bowls</b>	10	12	14	16		

Rule:

4.

<b>Plants</b>	4	5	6	7	8	9
<b>Flowers</b>	24	30	36			

Rule:

5. Each box holds 4 toys. How many toys do 5 boxes hold?

<b>Boxes</b>	1	2			
<b>Toys</b>	4	8			

Rule:

6. Four shelves hold 36 toys. How many toys do 9 shelves hold?

<b>Shelves</b>	4	5	6			
<b>Toys</b>	36	45				

Rule:

## Mixed Review

Find the elapsed time.

7. 7:00 P.M. to 8:30 P.M.

\_\_\_\_\_

8. 4:00 A.M. to noon

\_\_\_\_\_

9. 9:00 A.M. to 1:00 P.M.

\_\_\_\_\_

10. 6:30 P.M. to 10:15 P.M.

\_\_\_\_\_

Use mental math to find the sum.

11.

$$\begin{array}{r} 52 \\ 48 \\ 24 \\ + 26 \\ \hline \end{array}$$

12.

$$\begin{array}{r} 17 \\ 13 \\ 16 \\ + 14 \\ \hline \end{array}$$

13.

$$\begin{array}{r} 51 \\ 49 \\ 47 \\ + 53 \\ \hline \end{array}$$

14.

$$\begin{array}{r} 19 \\ 21 \\ 15 \\ + 15 \\ \hline \end{array}$$

## Algebra: Multiply with 3 Factors

Find each product.

1.  $(3 \times 2) \times 3 = \underline{\quad}$     2.  $6 \times (4 \times 2) = \underline{\quad}$     3.  $(3 \times 3) \times 5 = \underline{\quad}$

4.  $(2 \times 2) \times 8 = \underline{\quad}$     5.  $(1 \times 4) \times 7 = \underline{\quad}$     6.  $4 \times (7 \times 1) = \underline{\quad}$

7.  $6 \times (0 \times 7) = \underline{\quad}$     8.  $(3 \times 3) \times 10 = \underline{\quad}$     9.  $(7 \times 1) \times 8 = \underline{\quad}$

Use the Grouping Property to find the product.

10.  $3 \times 3 \times 6 = \underline{\quad}$     11.  $4 \times 4 \times 2 = \underline{\quad}$     12.  $9 \times 3 \times 2 = \underline{\quad}$

13.  $7 \times 2 \times 2 = \underline{\quad}$     14.  $(2 \times 4) \times 7 = \underline{\quad}$     15.  $4 \times (9 \times 1) = \underline{\quad}$

16.  $4 \times 2 \times 5 = \underline{\quad}$     17.  $(3 \times 2) \times 10 = \underline{\quad}$     18.  $4 \times 2 \times 7 = \underline{\quad}$

Find the missing factor.

19.  $(8 \times \underline{\quad}) \times 8 = 0$     20.  $\underline{\quad} \times (3 \times 2) = 36$     21.  $(\underline{\quad} \times 4) \times 3 = 12$

22.  $6 \times (3 \times \underline{\quad}) = 54$     23.  $(3 \times 3) \times \underline{\quad} = 90$     24.  $\underline{\quad} \times (5 \times 2) = 80$

25.  $(\underline{\quad} \times 1) \times 1 = 6$     26.  $4 \times (\underline{\quad} \times 4) = 32$     27.  $(2 \times 4) \times \underline{\quad} = 64$

### Mixed Review

Write the missing number that makes each sentence true.

28.  $9 + \underline{\quad} = 20$

29.  $8 = \underline{\quad} - 3$

30.  $\underline{\quad} + 13 = 44$

31.  $560 = 200 + \underline{\quad}$

Write  $<$ ,  $>$ , or  $=$  for each  $\bigcirc$ .

32.  $544 \bigcirc 544$

33.  $5,106 \bigcirc 5,099$

34.  $467 + 3 \bigcirc 471$

Continue the pattern.

35. 6, 12, 18, 24, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

36. 39, 49, \_\_\_\_\_, 69, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

37. 75, 70, 65, 60, 55, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

## Problem Solving Skill

### Multistep Problems

Solve.

1. Taylor bought 6 used books that cost \$2 each. He also bought 3 used books that cost \$4 each. How much did Taylor spend on used books?  
\_\_\_\_\_
2. Tina has 3 rows of 8 rocks in her rock collection. She wants to double her collection. How many rocks will Tina have when she doubles her collection?  
\_\_\_\_\_
3. Howard has \$138 and Tess has \$149. They need a total of \$250 to buy a recliner chair for their father. How much more money do they have than they need?  
\_\_\_\_\_
4. To raise money for school, Megan sold 8 magazine subscriptions. Parker sold 7 subscriptions. Each subscription raises \$5 for the school. How much money did they raise in all?  
\_\_\_\_\_
5. The Romers drove 613 miles in 3 days. They drove 251 miles the first day and 168 miles the second day. How far did they drive on the third day?  
\_\_\_\_\_
6. Two friends are comparing money. Bert has 8 quarters and 7 dimes. Ernie has 10 quarters and 7 nickels. Who has the most money? How much more money than his friend does he have?  
\_\_\_\_\_

### Mixed Review

Continue the pattern.

7. 20, 40, 60, 80, ?, ?, ?  
\_\_\_\_\_

8. 12, 14, 15, 17, 18, 20, ?, ?  
\_\_\_\_\_

Find the product.

9.  $(2 \times 3) \times 9 =$  \_\_\_\_\_

10.  $6 \times (3 \times 3) =$  \_\_\_\_\_

## The Meaning of Division

Complete the table. Use counters to help.

	Counters	Number of equal groups	Number in each group
1.	10	2	
2.	12		6
3.	16	4	
4.	18		6
5.	21	3	

For 6–9, use counters.

6. Four family members want to share a bag of 20 pretzels equally. How many pretzels will each person get?

\_\_\_\_\_

7. Carrie and two friends are sharing a pizza cut into 12 slices. If each person eats the same number of slices, how many slices will each person get?

\_\_\_\_\_

8. Six students are sharing the job of watering the classroom plants. Each student waters 3 plants. How many plants are in the classroom altogether?

\_\_\_\_\_

9. Emma's friends are helping her write a total of 16 invitations. Each person has 4 invitations to write. How many people are working together?

\_\_\_\_\_

### Mixed Review

Solve.

$$\begin{array}{r} 10. \quad \$77.42 \\ -\$24.59 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 3,071 \\ + 809 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 468 \\ -312 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 818 \\ -607 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 6 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 8 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad 7 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad 3 \\ \times 2 \\ \hline \end{array}$$

## Relate Subtraction and Division

Write a division sentence for each.

$$\begin{array}{r}
 15 \\
 - 3 \\
 \hline
 12
 \end{array}
 \begin{array}{r}
 12 \\
 - 3 \\
 \hline
 9
 \end{array}
 \begin{array}{r}
 9 \\
 - 3 \\
 \hline
 6
 \end{array}
 \begin{array}{r}
 6 \\
 - 3 \\
 \hline
 3
 \end{array}
 \begin{array}{r}
 3 \\
 - 3 \\
 \hline
 0
 \end{array}$$

\_\_\_\_\_

$$\begin{array}{r}
 18 \\
 - 6 \\
 \hline
 12
 \end{array}
 \begin{array}{r}
 12 \\
 - 6 \\
 \hline
 6
 \end{array}
 \begin{array}{r}
 6 \\
 - 6 \\
 \hline
 0
 \end{array}$$

\_\_\_\_\_

$$\begin{array}{r}
 10 \\
 - 2 \\
 \hline
 8
 \end{array}
 \begin{array}{r}
 8 \\
 - 2 \\
 \hline
 6
 \end{array}
 \begin{array}{r}
 6 \\
 - 2 \\
 \hline
 4
 \end{array}
 \begin{array}{r}
 4 \\
 - 2 \\
 \hline
 2
 \end{array}
 \begin{array}{r}
 2 \\
 - 2 \\
 \hline
 0
 \end{array}$$

\_\_\_\_\_

$$\begin{array}{r}
 16 \\
 - 4 \\
 \hline
 12
 \end{array}
 \begin{array}{r}
 12 \\
 - 4 \\
 \hline
 8
 \end{array}
 \begin{array}{r}
 8 \\
 - 4 \\
 \hline
 4
 \end{array}
 \begin{array}{r}
 4 \\
 - 4 \\
 \hline
 0
 \end{array}$$

\_\_\_\_\_

Use subtraction to solve.

5.  $12 \div 3 =$  \_\_\_\_\_

\_\_\_\_\_

6.  $20 \div 4 =$  \_\_\_\_\_

\_\_\_\_\_

7.  $30 \div 5 =$  \_\_\_\_\_

\_\_\_\_\_

8.  $6 \div 2 =$  \_\_\_\_\_

\_\_\_\_\_

## Mixed Review

9. 
$$\begin{array}{r}
 271 \\
 + 409 \\
 \hline
 \end{array}$$

10. 
$$\begin{array}{r}
 9,006 \\
 - 7,847 \\
 \hline
 \end{array}$$

11. 
$$\begin{array}{r}
 7 \\
 \times 6 \\
 \hline
 \end{array}$$

12. 
$$\begin{array}{r}
 4 \\
 \times 9 \\
 \hline
 \end{array}$$

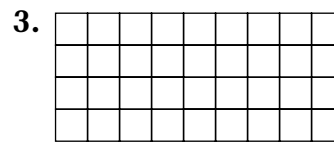
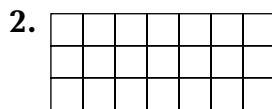
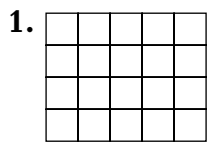
13.  $7 \times 7 =$  \_\_\_\_\_

14.  $8 \times 3 =$  \_\_\_\_\_

15.  $8 \times 6 =$  \_\_\_\_\_

## Algebra: Relate Multiplication and Division

Complete.



4 rows of \_\_\_\_\_ = 20      3 rows of \_\_\_\_\_ = 21      4 rows of \_\_\_\_\_ = 36

$20 \div 4 = \underline{\hspace{2cm}}$

$21 \div 3 = \underline{\hspace{2cm}}$

$36 \div 4 = \underline{\hspace{2cm}}$

Complete each number sentence. Draw an array to help.

4.  $6 \times \underline{\hspace{2cm}} = 18$

5.  $32 \div 8 = \underline{\hspace{2cm}}$

6.  $4 \times 5 = \underline{\hspace{2cm}}$

Complete.

7.  $3 \times 3 = 36 \div \underline{\hspace{2cm}}$

8.  $\underline{\hspace{2cm}} \times 5 = 40 \div 4$

### Mixed Review

9.  $8 \times 6 = \underline{\hspace{2cm}}$

10.  $4 \times 9 = \underline{\hspace{2cm}}$

11.  $7 \times 2 = \underline{\hspace{2cm}}$

12. 
$$\begin{array}{r} 760 \\ -152 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 3,789 \\ + 534 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 8,117 \\ -5,833 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 6,211 \\ -5,819 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 380 \\ +8,495 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 7,117 \\ +2,981 \\ \hline \end{array}$$

## Algebra: Fact Families

Write the fact family.

1. 4, 9, 36

---

---

---

---

2. 8, 3, 24

---

---

---

---

3. 6, 4, 24

---

---

---

---

4. 6, 6, 36

---

---

5. 7, 7, 49

---

---

6. 5, 5, 25

---

---

Find the quotient or product.

7.  $5 \times 7 = \underline{\quad}$     8.  $7 \times 5 = \underline{\quad}$     9.  $35 \div 7 = \underline{\quad}$     10.  $35 \div 5 = \underline{\quad}$

Write the other three sentences in the fact family.

11.  $6 \times 3 = 18$

---

---

---

12.  $4 \times 5 = 20$

---

---

---

13.  $2 \times 7 = 14$

---

---

---

### Mixed Review

Write +, -,  $\times$ , or  $\div$  in each  $\bigcirc$ .

14.  $36 \bigcirc 4 = 9$

16.  $2 \bigcirc 8 = 16$

18.  $14 \bigcirc 4 = 10$

15.  $18 \bigcirc 12 = 6$

17.  $72 \bigcirc 9 = 8$

19.  $9 \bigcirc 6 = 54$

## Problem Solving Strategy

### Write a Number Sentence

Write a number sentence to solve.

- Mrs. Scott bought 3 packages of hot dogs. Each package has 8 hot dogs. How many hot dogs did she buy in all?  
\_\_\_\_\_
- A class of 27 students is working in groups of 3 on an art project. How many groups are there?  
\_\_\_\_\_
- Melissa took 24 photographs. She put 4 photographs on each page of her album. How many pages did she use?  
\_\_\_\_\_
- Tim planted 5 rows of corn. There are 6 corn plants in each row. How many corn plants are there in all?  
\_\_\_\_\_

### Mixed Review

$$\begin{array}{r} 5. \quad \$2.42 \\ +\$5.65 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad \$4.91 \\ -\$0.76 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad \$8.56 \\ -\$3.28 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad \$7.99 \\ +\$1.99 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 8 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 5 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 9 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 6 \\ \times 8 \\ \hline \end{array}$$

$$13. 3 \times 7 = \underline{\quad} \quad 14. 6 \times 9 = \underline{\quad} \quad 15. 10 \times 4 = \underline{\quad} \quad 16. 4 \times 7 = \underline{\quad}$$

Write +, -, ×, or ÷ in each  $\bigcirc$ .

$$17. 84 \bigcirc 25 = 59$$

$$18. 6 \bigcirc 8 = 48$$

$$19. 32 \bigcirc 73 = 105$$

$$20. 54 \bigcirc 9 = 63$$

$$21. 7 \bigcirc 6 = 42$$

$$22. 9 \bigcirc 5 = 45$$



**Divide by 2 and 5**

Find each missing factor and quotient.

1.  $2 \times \underline{\quad} = 8$

2.  $30 \div 5 = \underline{\quad}$

3.  $16 \div 2 = \underline{\quad}$

4.  $45 \div 5 = \underline{\quad}$

5.  $5 \times \underline{\quad} = 25$

6.  $8 \div 2 = \underline{\quad}$

7.  $5 \times \underline{\quad} = 15$

8.  $2 \times \underline{\quad} = 20$

9.  $2 \times \underline{\quad} = 12$

Find each quotient.

10.  $18 \div 2 = \underline{\quad}$

11.  $35 \div 5 = \underline{\quad}$

12.  $40 \div 5 = \underline{\quad}$

13.  $4 \div 2 = \underline{\quad}$

14.  $10 \div 2 = \underline{\quad}$

15.  $5 \div 5 = \underline{\quad}$

16.  $5 \overline{)30}$

17.  $2 \overline{)14}$

18.  $5 \overline{)20}$

19.  $5 \overline{)5}$

20.  $2 \overline{)12}$

21.  $2 \overline{)8}$

22.  $5 \overline{)15}$

23.  $5 \overline{)40}$

Complete.

24.  $20 \div 2 = \underline{\quad}$

25.  $15 \div 5 = \underline{\quad} \times 1$

26.  $40 \div 5 = \underline{\quad} \times 2$

**Mixed Review**

27.  $9 \times 3 \times \underline{\quad} = 81$

28.  $\underline{\quad} \times 6 \times 2 = 12$

29.  $9 \times \underline{\quad} = 63$

Add 1,000 to each.

30. 32,605

31. 20,001

32. 518

33. 6

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Write A.M. or P.M.

34. ten minutes  
after midnight35. time to go  
to bed36. ten minutes  
before noon37. ten minutes  
before  
midnight

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Divide by 3 and 4

Write the multiplication fact you can use to find the quotient. Then write the quotient.

1.  $36 \div 4$

---



---

2.  $21 \div 3$

---



---

3.  $28 \div 4$

---



---

Find each quotient.

4.  $18 \div 3 = \underline{\quad}$

5.  $32 \div 4 = \underline{\quad}$

6.  $30 \div 3 = \underline{\quad}$

7.  $8 \div 2 = \underline{\quad}$

8.  $12 \div 3 = \underline{\quad}$

9.  $12 \div 4 = \underline{\quad}$

10.  $3 \overline{)15}$

11.  $4 \overline{)28}$

12.  $3 \overline{)27}$

13.  $4 \overline{)16}$

14.  $4 \overline{)32}$

15.  $3 \overline{)9}$

16.  $4 \overline{)8}$

17.  $3 \overline{)30}$

Complete.

18.  $12 \div 4 = \underline{\quad} \times 3$

19.  $24 \div 4 = \underline{\quad} \times 3$

20.  $27 \div 3 = \underline{\quad} \times 3$

### Mixed Review

Solve.

21. 
$$\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$$

22. 
$$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$$

23. 
$$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$$

24. 
$$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$$

25. 
$$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$$

26. 
$$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$

27. 
$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

28. 
$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$

29. 
$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$

30. 
$$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$$

31. 
$$\begin{array}{r} \$13.87 \\ + \$25.62 \\ \hline \end{array}$$

32. 
$$\begin{array}{r} \$45.16 \\ + \$82.37 \\ \hline \end{array}$$

33. 
$$\begin{array}{r} \$63.27 \\ + \$37.92 \\ \hline \end{array}$$

34. 
$$\begin{array}{r} \$49.95 \\ + \$77.85 \\ \hline \end{array}$$

## Divide with 0 and 1

Find each quotient.

1.  $7 \div 7 = \underline{\quad}$

2.  $0 \div 5 = \underline{\quad}$

3.  $4 \div 1 = \underline{\quad}$

4.  $8 \div 1 = \underline{\quad}$

5.  $6 \div 6 = \underline{\quad}$

6.  $0 \div 3 = \underline{\quad}$

7.  $2 \div 2 = \underline{\quad}$

8.  $0 \div 8 = \underline{\quad}$

9.  $2 \div 1 = \underline{\quad}$

10.  $0 \div 4 = \underline{\quad}$

11.  $3 \div 1 = \underline{\quad}$

12.  $5 \div 5 = \underline{\quad}$

13.  $4 \div 4 = \underline{\quad}$

14.  $9 \div 1 = \underline{\quad}$

15.  $0 \div 2 = \underline{\quad}$

16.  $7 \div 1 = \underline{\quad}$

17.  $9 \div 9 = \underline{\quad}$

18.  $6 \div 1 = \underline{\quad}$

19.  $0 \div 1 = \underline{\quad}$

20.  $0 \div 9 = \underline{\quad}$

21.  $3 \div 3 = \underline{\quad}$

Compare. Write  $<$ ,  $>$ , or  $=$  for each  $\bigcirc$ .

22.  $7 \div 7 \bigcirc 7 \div 1$

23.  $9 \div 9 \bigcirc 10 - 9$

24.  $5 \div 1 \bigcirc 5 + 1$

25.  $0 \div 6 \bigcirc 6 + 0$

26.  $2 + 4 \bigcirc 0 \div 6$

27.  $3 \div 1 \bigcirc 3 \times 1$

### Mixed Review

28. 
$$\begin{array}{r} 475 \\ - 352 \\ \hline \end{array}$$

29. 
$$\begin{array}{r} 450 \\ + 640 \\ \hline \end{array}$$

30. 
$$\begin{array}{r} 7,991 \\ - 4,328 \\ \hline \end{array}$$

31. 
$$\begin{array}{r} 665 \\ + 392 \\ \hline \end{array}$$

32. 
$$\begin{array}{r} \$3.67 \\ + \$2.33 \\ \hline \end{array}$$

33. 
$$\begin{array}{r} \$4.27 \\ + \$3.59 \\ \hline \end{array}$$

34. 
$$\begin{array}{r} \$28.95 \\ - \$17.60 \\ \hline \end{array}$$

35. 
$$\begin{array}{r} \$13.40 \\ - \$11.72 \\ \hline \end{array}$$

Find each missing number.

36.  $6 \div \underline{\quad} = 2$

37.  $8 \div \underline{\quad} = 8$

38.  $\underline{\quad} \div 4 = 1$

39.  $\underline{\quad} \div 7 = 0$

## Write Expressions

Write an expression to describe each problem.

- |   |   |
|---|---|
| <p>1. Kim has 18 craft sticks. His mother gives him 3 more. How many craft sticks does he have now?</p> <p>_____</p>                    | <p>2. Four students share 36 tacks. How many tacks does each student get?</p> <p>_____</p>                        |
| <p>3. Beth has a photo album with 9 pages. She can fit 8 photos on each page. How many photos can be put in the album?</p> <p>_____</p> | <p>4. Tim stacked 20 blocks. He then took away 8 of them. How many blocks remained in the stack?</p> <p>_____</p> |
| <p>5. Vinnie is 5 years younger than Carly. Vinnie is 15 years old. How old is Carly?</p> <p>_____</p>                                  | <p>6. Mindy has \$1.00. She spends \$0.85 on lunch. How much money does she have left?</p> <p>_____</p>           |
| <p>7. Pauline has 35 baseball cards. She buys 5 more cards. How many cards does she have altogether?</p> <p>_____</p>                   | <p>8. Matthew is 2 times as old as Greg. Greg is 6 years old. How old is Matthew?</p> <p>_____</p>                |

## Mixed Review

Add, subtract, multiply, or divide.

9. 
$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 45 \\ + 68 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 101 \\ - 73 \\ \hline \end{array}$$

12. 
$$5 \overline{)45}$$

Fill in the missing number in the problem.

13. 
$$\begin{array}{r} 3,672 \\ + \\ \hline 4,020 \end{array}$$

14. 
$$\begin{array}{r} 888 \\ - \\ \hline 323 \end{array}$$

15. 
$$\begin{array}{r} 4 \\ \times \\ \hline 36 \end{array}$$

16. 
$$9 \overline{) \quad 6}$$

## Problem Solving Skill

### Choose the Operation

Write a number sentence. Then solve.

1. There are 9 mice in each cage. There are 3 cages. How many mice are there in all?

\_\_\_\_\_

\_\_\_\_\_

2. Izzy and Tom are cats. Izzy weighs 9 pounds and Tom weighs 12 pounds. How much more does Tom weigh than Izzy?

\_\_\_\_\_

\_\_\_\_\_

3. Mrs. Ellis buys 9 cans of cat food. She already has 8 cans of cat food at home. How many cans does she have now?

\_\_\_\_\_

\_\_\_\_\_

4. Mr. Davis has 24 goldfish. He puts 8 fish in each fish bowl. How many fish bowls does he use?

\_\_\_\_\_

\_\_\_\_\_

### Mixed Review

5.  $0 \div 3 =$  \_\_\_\_\_

6.  $18 \div 2 =$  \_\_\_\_\_

7.  $42 + 39 + 72 =$  \_\_\_\_\_

8.  $742 - 329 =$  \_\_\_\_\_

9. Divide 30 by 3. \_\_\_\_\_

10. Divide 72 by 8. \_\_\_\_\_

11. 
$$\begin{array}{r} 4,422 \\ - 3,795 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 6,219 \\ - 1,706 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 3,290 \\ + 2,416 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 5,554 \\ - 4,787 \\ \hline \end{array}$$

Find each missing factor, divisor, or quotient.

15. \_\_\_\_\_  $\times 4 = 24$

16.  $49 \div$  \_\_\_\_\_  $= 7$

17.  $36 \div 9 =$  \_\_\_\_\_

18.  $8 \times$  \_\_\_\_\_  $= 64$

## Divide by 6, 7, and 8

Find the missing factor or quotient.

1.  $7 \times \underline{\quad} = 42$

2.  $30 \div 6 = \underline{\quad}$

3.  $16 \div 8 = \underline{\quad}$

4.  $36 \div 6 = \underline{\quad}$

5.  $8 \times \underline{\quad} = 56$

6.  $21 \div 7 = \underline{\quad}$

7.  $7 \times \underline{\quad} = 63$

8.  $6 \times \underline{\quad} = 48$

9.  $8 \times \underline{\quad} = 72$

Find the quotient.

10.  $18 \div 6 = \underline{\quad}$

11.  $32 \div 8 = \underline{\quad}$

12.  $40 \div 8 = \underline{\quad}$

13.  $49 \div 7 = \underline{\quad}$

14.  $12 \div 6 = \underline{\quad}$

15.  $35 \div 7 = \underline{\quad}$

16.  $7 \overline{)14}$

17.  $7 \overline{)28}$

18.  $6 \overline{)24}$

19.  $7 \overline{)14}$

20.  $7 \overline{)63}$

21.  $6 \overline{)30}$

22.  $6 \overline{)54}$

23.  $8 \overline{)24}$

Complete.

24.  $36 \div 6 = \underline{\quad} \times 3$

25.  $56 \div 7 = \underline{\quad} + 3$

26.  $8 \div 8 = \underline{\quad} - 3$

### Mixed Review

Write the numbers in order from greatest to least.

27. 19

28. 2,013

29. 315

30. 30,500

43

2,130

272

30,099

38

3,120

156

30,122

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Add.

31.  $\begin{array}{r} 14 \\ 43 \\ 38 \\ \hline \end{array}$

32.  $\begin{array}{r} 74 \\ 28 \\ 32 \\ \hline \end{array}$

33.  $\begin{array}{r} 411 \\ 260 \\ 591 \\ \hline \end{array}$

34.  $\begin{array}{r} 7,000 \\ 3,000 \\ 1,000 \\ \hline \end{array}$

35.  $\begin{array}{r} 6,100 \\ 5,100 \\ 3,000 \\ \hline \end{array}$

22

28

260

3,000

5,100

+ 69

+ 32

+ 591

+ 1,000

+ 3,000

## Divide by 9 and 10

Find the missing factor or quotient.

1.  $9 \times \underline{\quad} = 45$

2.  $30 \div 10 = \underline{\quad}$

3.  $18 \div 9 = \underline{\quad}$

4.  $36 \div 9 = \underline{\quad}$

5.  $9 \times \underline{\quad} = 54$

6.  $20 \div 10 = \underline{\quad}$

7.  $9 \times \underline{\quad} = 81$

8.  $10 \times \underline{\quad} = 80$

9.  $10 \times \underline{\quad} = 40$

Find the quotient.

10.  $72 \div 9 = \underline{\quad}$

11.  $63 \div 9 = \underline{\quad}$

12.  $40 \div 8 = \underline{\quad}$

13.  $60 \div 10 = \underline{\quad}$

14.  $9 \div 1 = \underline{\quad}$

15.  $81 \div 9 = \underline{\quad}$

16.  $10 \overline{)10}$

17.  $9 \overline{)27}$

18.  $9 \overline{)54}$

19.  $10 \overline{)70}$

20.  $9 \overline{)63}$

21.  $9 \overline{)90}$

22.  $10 \overline{)90}$

23.  $10 \overline{)100}$

Complete.

24.  $54 \div 9 = \underline{\quad} \times 3$

25.  $80 \div 10 = \underline{\quad} - 7$

26.  $36 \div 9 = \underline{\quad} + 3$

Write +, −, ×, or ÷ for each ○.

27.  $36 \bigcirc 4 = 9$

28.  $18 \bigcirc 6 = 12$

29.  $9 \bigcirc 3 = 27$

30.  $16 \bigcirc 8 = 24$

### Mixed Review

Solve.

31. Divide 45 by 5.

32. Divide 24 by 6.

33. Divide 48 by 8.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Write the time.

34. 18 minutes  
after noon35. 18 minutes  
before noon36. 20 minutes  
before 1:15 P.M.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Practice Division Facts Through 10

Write a division sentence for each.

1. 

2. 

3. 
$$\begin{array}{r} 20 \quad 10 \\ -10 \quad \nearrow -10 \\ \hline 10 \quad 0 \end{array}$$

Find the missing factor or quotient.

4.  $50 \div 5 = \underline{\quad}$

5.  $7 \times \underline{\quad} = 49$

6.  $45 \div 9 = \underline{\quad}$

7.  $6 \times \underline{\quad} = 54$

8.  $72 \div 8 = \underline{\quad}$

9.  $4 \times \underline{\quad} = 40$

Find the quotient.

10.  $36 \div 6 = \underline{\quad}$

11.  $24 \div 8 = \underline{\quad}$

12.  $42 \div 7 = \underline{\quad}$

13.  $56 \div 8 = \underline{\quad}$

14.  $63 \div 7 = \underline{\quad}$

15.  $14 \div 2 = \underline{\quad}$

16.  $8 \overline{)64}$

17.  $10 \overline{)10}$

18.  $5 \overline{)35}$

19.  $9 \overline{)27}$

20.  $7 \overline{)70}$

21.  $5 \overline{)30}$

22.  $4 \overline{)36}$

23.  $7 \overline{)49}$

Compare. Write  $<$ ,  $>$ , or  $=$  for each  $\bigcirc$ .


24.  $36 - 6 \bigcirc 8 \times 3$


25.  $18 \div 9 \bigcirc 0 + 3$

26.  $64 \div 8 \bigcirc 2 \times 4$


### Mixed Review

Write a multiplication sentence for each.

27. 

28. 

29. 

30. 



## Algebra: Find the Cost

Complete the table. Use the price list at the right.

1.	Hot dogs	2	4	6	8	10
	Cost					

### Lunch To Go

Tuna salad	\$5
Soft drink	\$1
Hot dog	\$2
Hamburger	\$4

For 2–10, use the price list at the right to find the cost of each number of items.

2. 5 soft drinks

\_\_\_\_\_

3. 8 hamburgers

\_\_\_\_\_

4. 9 tuna salads

\_\_\_\_\_

5. 7 tuna salads

\_\_\_\_\_

6. 5 hot dogs

\_\_\_\_\_

7. 6 hamburgers

\_\_\_\_\_

8. 9 hot dogs

\_\_\_\_\_

9. 3 soft drinks

\_\_\_\_\_

10. 5 tuna salads

\_\_\_\_\_

Find the cost of one of each item.

11. 6 pens cost \$18

\_\_\_\_\_

12. 4 CDs cost \$36

\_\_\_\_\_

13. 9 salads cost \$36

\_\_\_\_\_

14. 8 mice cost \$40

\_\_\_\_\_

15. 7 gerbils cost \$56

\_\_\_\_\_

16. 9 hamsters cost \$45

\_\_\_\_\_

17. 3 cages cost \$30

\_\_\_\_\_

18. 8 balls cost \$48

\_\_\_\_\_

19. 5 games cost \$35

\_\_\_\_\_

## Mixed Review

Continue each pattern.

20. 3, 10, 13, 20, 23, 30, \_\_\_\_\_, \_\_\_\_\_

21. 9, 7, 10, 8, 11, 9, \_\_\_\_\_, \_\_\_\_\_

Add.

$$\begin{array}{r} 22. \quad 1,382 \\ \quad 7,344 \\ + \quad 2,196 \\ \hline \end{array}$$

$$\begin{array}{r} 23. \quad 1,152 \\ \quad \quad 634 \\ + \quad 776 \\ \hline \end{array}$$

$$\begin{array}{r} 24. \quad 4,848 \\ \quad 7,474 \\ + \quad 4,994 \\ \hline \end{array}$$

$$\begin{array}{r} 25. \quad 618 \\ \quad 554 \\ + \quad 920 \\ \hline \end{array}$$

## Problem Solving Strategy

### Work Backward

Work backward to solve.

- |   |   |
|---|---|
| <p>1. Mr. Ruiz sells mailboxes. He sold 5 mailboxes and then made 12 more. Now he has 15 mailboxes. How many did he begin with?</p> <hr/> | <p>2. Paul has 23 outfielders and 19 pitchers in his baseball card collection. If he has a total of 95 cards, how many are not outfielders or pitchers?</p> <hr/> |
| <p>3. Josh has 17 quarters and 28 dimes in his bank. There are 102 coins in the bank. How many are not quarters or dimes?</p> <hr/>       | <p>4. Tim sells picture frames. He sold 14 and then made 8 more. Now he has 23 frames. How many did he begin with?</p> <hr/>                                      |

### Mixed Review

Solve.

$$\begin{array}{r} 5. \quad 274 \\ \quad 36 \\ +183 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad \$1.92 \\ \quad \$3.34 \\ +\$0.57 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad \$2.52 \\ \quad \$1.12 \\ +\$0.67 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 381 \\ \quad 77 \\ +342 \\ \hline \end{array}$$

Continue each pattern.

9. 2, 9, 16, 23, \_\_\_\_\_, \_\_\_\_\_

10. 36, 31, 26, 21, \_\_\_\_\_, \_\_\_\_\_

11. 11, 14, 17, 20, \_\_\_\_\_, \_\_\_\_\_

12. 64, 58, 52, 46, \_\_\_\_\_, \_\_\_\_\_

Multiply.

13.  $9 \times 10 =$  \_\_\_\_\_

14.  $7 \times 4 =$  \_\_\_\_\_

15.  $8 \times 8 =$  \_\_\_\_\_

16.  $4 \times 3 =$  \_\_\_\_\_

17.  $5 \times 9 =$  \_\_\_\_\_

18.  $7 \times 5 =$  \_\_\_\_\_

19.  $6 \times 7 =$  \_\_\_\_\_

20.  $9 \times 7 =$  \_\_\_\_\_

## Collect and Organize Data

1. Make a tally table of four kinds of pets. Ask some of your classmates which pet they like best. Make a tally mark beside the name of the pet each one chooses.
2. Use the data from your tally table to make a frequency table.
3. Which type of pet did the most classmates choose? the fewest?
4. Compare your tables with those of your classmates. Did everyone get the same results?

### Mixed Review

Write  $>$ ,  $<$ , or  $=$  for each  $\bigcirc$ .

5.  $6 \div 1 \bigcirc 6 \div 6$

6.  $10 \times 4 \bigcirc 5 \times 9$

7.  $12 + 12 \bigcirc 10 + 13$

8.  $354 \bigcirc 370 - 30$

9.  $236 + 3 \bigcirc 239$

10.  $54 \div 9 \bigcirc 70 \div 10$

11.  $3 \times 3 \bigcirc 10 \times 1$

12.  $0 \div 6 \bigcirc 0 \div 7$

Solve.

13. 
$$\begin{array}{r} 500 \\ - 238 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 104 \\ - 57 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 78 \\ + 46 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 518 \\ + 203 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 729 \\ + 819 \\ \hline \end{array}$$

## Understand Data

For 1–4, use the tally table.

1. List the games in order from the most to the least chosen.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2. How many people answered the survey?

\_\_\_\_\_

3. How many more people like jump rope than four-square?

\_\_\_\_\_

OUR FAVORITE GAMES	
Game	Tally
Follow-the-Leader	HHH II
Jump Rope	HHH HHH HHH I
Tether Ball	HHH HHH I
Four-Square	IIII

4. How many fewer people like follow-the-leader than jump rope?

\_\_\_\_\_

### Mixed Review

$$\begin{array}{r} 5. \quad 106 \\ + 894 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 1,219 \\ + 6,537 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 9,213 \\ - 3,219 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 4,266 \\ - 875 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 8 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 1 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 12 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 4 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 7 \\ \times 7 \\ \hline \end{array}$$

14. Find the sum of 804 and 159. \_\_\_\_\_

15. Which number is greater: 6,232 or 6,323? \_\_\_\_\_

16. Round 2,975 to the nearest thousand. \_\_\_\_\_

## Classify Data

For 1–5, use the table.

1. How many dogs have short, brown hair?

\_\_\_\_\_

2. How many dogs have medium hair?

\_\_\_\_\_

3. How many dogs have white hair?

\_\_\_\_\_

4. What color hair do only 4 dogs have?

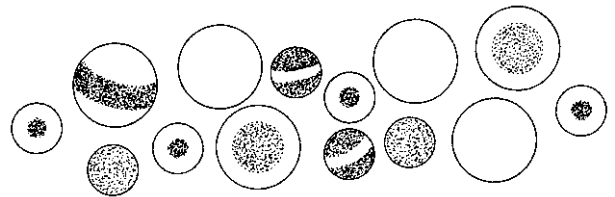
\_\_\_\_\_

6. Look at the marbles at the right. Make a table to classify, or group, the marbles.

DOGS OWNED BY STUDENTS				
	Black Hair	White Hair	Brown Hair	Golden Hair
Short Hair	3	4	1	3
Medium Hair	2	2	0	1
Long Hair	1	3	3	2

5. How many dogs are owned by the class?

\_\_\_\_\_



## Mixed Review

Solve.

$$\begin{array}{r} 7. \quad 7,004 \\ + 1,664 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 1,241 \\ - 1,123 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 3,536 \\ + 5,544 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 9,432 \\ - 6,780 \\ \hline \end{array}$$

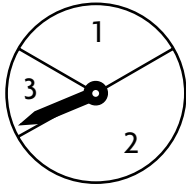
Name \_\_\_\_\_

# Problem Solving Strategy

## Make a Table

Solve.

1. Karen and José are doing an experiment with a spinner and a coin. They spin the pointer on the spinner and flip the coin. Then they record the results. They will repeat this experiment 15 times. Show how they could organize a table about their experiment.
2. Phillip is doing an experiment with two coins. In it, he will toss both coins 25 times and record the results after each pair of tosses. Show how he could organize a table about his experiment.



## Mixed Review

Round to the nearest 100 and 1,000.

- |                |                |
|----------------|----------------|
| 3. 1,355 _____ | 4. 5,667 _____ |
| 5. 7,572 _____ | 6. 4,140 _____ |
| 7. 9,454 _____ | 8. 6,905 _____ |

Divide.

- |                        |                         |                         |
|------------------------|-------------------------|-------------------------|
| 9. $15 \div 3 =$ _____ | 10. $49 \div 7 =$ _____ | 11. $63 \div 9 =$ _____ |
| 12. $8 \div 8 =$ _____ | 13. $30 \div 5 =$ _____ | 14. $48 \div 6 =$ _____ |

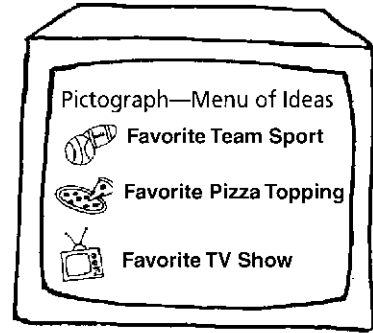
## PW72 Practice

# Problem Solving Strategy

## Make a Graph

Choose one of the ideas shown at the right for making a pictograph.

Take a survey to collect the data. Then make a pictograph in the space below. Decide on a symbol and key for the graph. Include a title and labels.



_____	
_____	
_____	
_____	

**Key: Each** \_\_\_\_\_ = \_\_\_\_\_.

1. Tell how you chose a symbol, or picture, for your pictograph.

\_\_\_\_\_

\_\_\_\_\_

2. Explain how you chose a key for your pictograph.

\_\_\_\_\_

\_\_\_\_\_

## Mixed Review

Write the value of the underlined digit.

3. 2,235 \_\_\_\_\_

4. 21,507 \_\_\_\_\_

5. 16,110 \_\_\_\_\_

Name \_\_\_\_\_

## Read Bar Graphs

For 1–4, use the bar graph.

1. What type of bar graph is this?

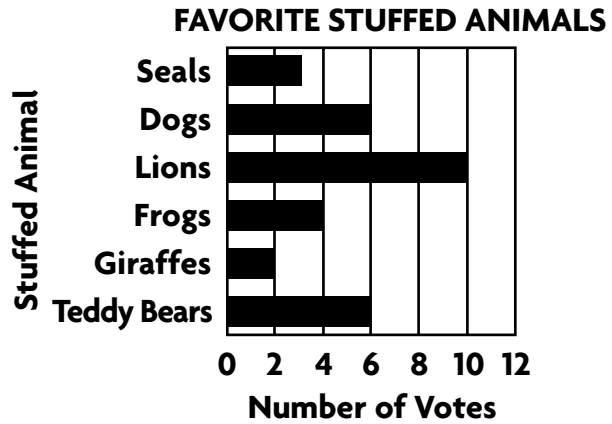
\_\_\_\_\_

2. How many students named lions as their favorite stuffed animal? frogs? dogs?

\_\_\_\_\_

3. Which stuffed animal is the favorite of the most students? of the fewest students?

\_\_\_\_\_



4. How many students in all voted for their favorite stuffed animal?

\_\_\_\_\_

## Mixed Review

Find the missing factor.

5.  $20 = 10 \times \underline{\hspace{1cm}}$

6.  $\underline{\hspace{1cm}} \times 3 = 27$

7.  $8 \times \underline{\hspace{1cm}} = 32$

8.  $\underline{\hspace{1cm}} \times 5 = 25$

9.  $6 \times \underline{\hspace{1cm}} = 24$

10.  $1 \times \underline{\hspace{1cm}} = 11$

11.  $7 \times \underline{\hspace{1cm}} = 56$

12.  $24 = 8 \times \underline{\hspace{1cm}}$

13.  $\underline{\hspace{1cm}} \times 6 = 0$

Solve.

14.  $12 \div 2 = \underline{\hspace{1cm}}$

15.  $7 \div 1 = \underline{\hspace{1cm}}$

16.  $8 \div 2 = \underline{\hspace{1cm}}$

17.  $9 \div 3 = \underline{\hspace{1cm}}$

18.  $10 \div 5 = \underline{\hspace{1cm}}$

19.  $6 \div 3 = \underline{\hspace{1cm}}$

20.  $9 \times 9 = \underline{\hspace{1cm}}$

21.  $6 \times 9 = \underline{\hspace{1cm}}$

22.  $4 \times 7 = \underline{\hspace{1cm}}$

23. 
$$\begin{array}{r} 6,890 \\ +8,054 \\ \hline \end{array}$$

24. 
$$\begin{array}{r} 3,211 \\ +7,618 \\ \hline \end{array}$$

25. 
$$\begin{array}{r} 5,765 \\ +5,765 \\ \hline \end{array}$$

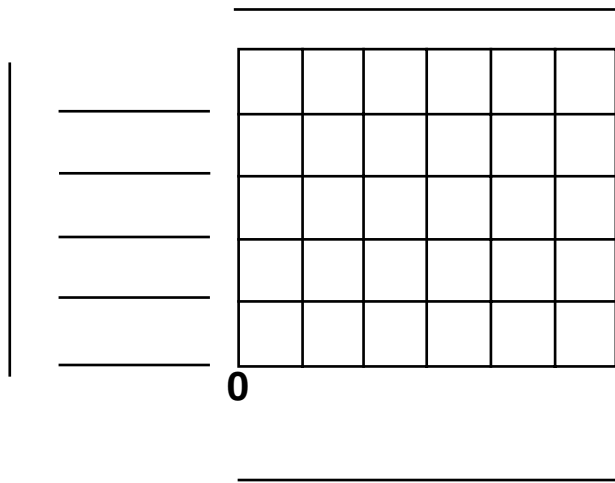
26. 
$$\begin{array}{r} 9,298 \\ +5,431 \\ \hline \end{array}$$



## Make Bar Graphs

Make a horizontal bar graph of the data in the table at the right. Use a scale of 2. Remember to write a title and labels for the graph.

FAVORITE DRINKS	
Drink	Number of Votes
Water	4
Punch	2
Milk	5
Juice	8
Soda	12



For 1–2, use your bar graph.

1. What does the graph show? \_\_\_\_\_
2. How many bars end halfway between two lines?  
\_\_\_\_\_

### Mixed Review

Write  $<$ ,  $>$ , or  $=$  in each  $\bigcirc$ .

3.  $32 \div 8 \bigcirc 1 \times 4$

4.  $6 + 6 \bigcirc 20$

5.  $5 \times 2 \bigcirc 10 - 1$

6.  $7 \times 7 \bigcirc 9 \times 6$

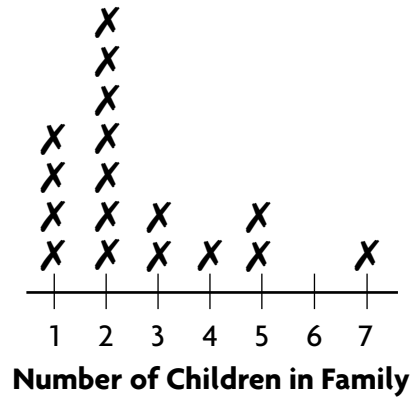
7.  $18 \div 2 \bigcirc 3 + 11$

8.  $72 - 30 \bigcirc 9 \times 3$

Name \_\_\_\_\_

### Line Plots

For 1–3, use the line plot at the right.



1. The X's on this line plot represent the number of students. What do the numbers on the line plot represent?

\_\_\_\_\_

2. What is the range of numbers used in this line plot?

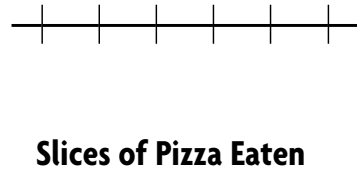
\_\_\_\_\_

3. What is the mode, or number that occurs most often, for this set of data?

\_\_\_\_\_

4. Use the data in the table to complete the line plot.

Slices of Pizza Eaten	
Number of Slices	Number of Students
0	//
1	###/
2	###
3	///
4	/
5	//



### Mixed Review

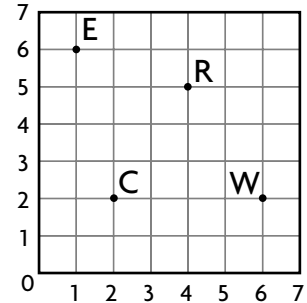
Find each product or quotient.

5.  $10 \times 7 = \underline{\quad}$       6.  $7 \times 9 = \underline{\quad}$       7.  $6 \times 1 = \underline{\quad}$       8.  $8 \times 2 = \underline{\quad}$
9.  $8 \div 4 = \underline{\quad}$       10.  $36 \div 6 = \underline{\quad}$       11.  $0 \div 22 = \underline{\quad}$       12.  $45 \div 9 = \underline{\quad}$

## Locate Points on a Grid

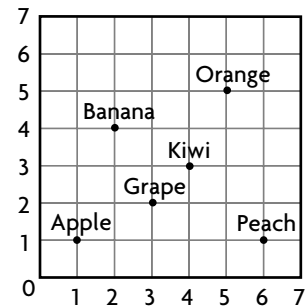
For 1–4, use the grid at the right. Write the letter of the point named by the ordered pair.

1. (4,5) \_\_\_\_\_      2. (1,6) \_\_\_\_\_  
 3. (6,2) \_\_\_\_\_      4. (2,2) \_\_\_\_\_



For 5–10, use the grid at the right. Write the ordered pair for each fruit.

5. apple \_\_\_\_\_      6. orange \_\_\_\_\_  
 7. banana \_\_\_\_\_      8. grape \_\_\_\_\_  
 9. kiwi \_\_\_\_\_      10. peach \_\_\_\_\_



## Mixed Review

Find the missing factor.

11.  $3 \times \underline{\quad} = 21$       12.  $4 \times \underline{\quad} = 16$       13.  $\underline{\quad} \times 4 = 24$   
 14.  $7 \times \underline{\quad} = 56$       15.  $\underline{\quad} \times 9 = 54$       16.  $5 \times \underline{\quad} = 50$

Solve.

17. 
$$\begin{array}{r} 767 \\ -234 \\ \hline \end{array}$$
      18. 
$$\begin{array}{r} 9,870 \\ -5,925 \\ \hline \end{array}$$
      19. 
$$\begin{array}{r} 611 \\ +382 \\ \hline \end{array}$$
      20. 
$$\begin{array}{r} 2,195 \\ +8,214 \\ \hline \end{array}$$

21.  $0 \times 8 = \underline{\quad}$       22.  $3 \times 5 = \underline{\quad}$       23.  $48 \div 8 = \underline{\quad}$       24.  $81 \div 9 = \underline{\quad}$   
 25.  $2 \times 10 = \underline{\quad}$       26.  $9 \times 8 = \underline{\quad}$       27.  $36 \div 4 = \underline{\quad}$       28.  $42 \div 7 = \underline{\quad}$   
 29.  $4 \times 3 = \underline{\quad}$       30.  $5 \times 6 = \underline{\quad}$       31.  $12 \div 1 = \underline{\quad}$       32.  $0 \div 7 = \underline{\quad}$

## Read Line Graphs

For 1–4, use the line graph at the right.

1. Joyce made this line graph to show the number of pages she read each day in a mystery book. On what day did Joyce read the most pages? the fewest?

\_\_\_\_\_

2. How many pages did Joyce read on Thursday?

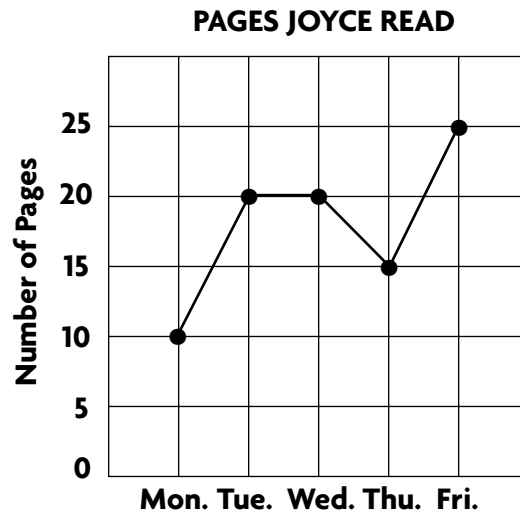
\_\_\_\_\_

3. On which two days did Joyce read the same number of pages?

\_\_\_\_\_

4. How many more pages did Joyce read on Friday than on Monday?

\_\_\_\_\_



## Mixed Review

Solve.

5.  $3 \overline{)18}$

6.  $5 \overline{)25}$

7.  $6 \overline{)24}$

8.  $7 \overline{)63}$

9.  $10 \overline{)10}$

10.  $8 \overline{)24}$

11.  $10 \overline{)20}$

12.  $2 \overline{)14}$

13. 
$$\begin{array}{r} 1,234 \\ +5,673 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 3,179 \\ +3,298 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 2,051 \\ -1,009 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 8,233 \\ -4,649 \\ \hline \end{array}$$

# Certain and Impossible

## Vocabulary

Fill in the blank with the correct word.

event

certain

impossible

- An event is \_\_\_\_\_ if it will never happen.
- An \_\_\_\_\_ is something that happens.
- An event is \_\_\_\_\_ if it will always happen.

Tell whether each event is *certain* or *impossible*.

- Pencils will fall from the sky.  
\_\_\_\_\_
- Winter in Alaska is cold.  
\_\_\_\_\_
- You will walk to the moon tonight.  
\_\_\_\_\_
- Putting your hand in boiling water will burn you.  
\_\_\_\_\_

For 8–9, use the numbered tile. Tell whether each event is *certain* or *impossible*.

1	3	3
1	5	7
3	5	7

- dropping a coin on an odd number \_\_\_\_\_
- dropping a coin on a number greater than 9 \_\_\_\_\_

## Mixed Review

Find the sum or the difference.

$$\begin{array}{r} 10. \quad 75 \\ +39 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 94 \\ +28 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 19 \\ +26 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 47 \\ -38 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 66 \\ -27 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 86 \\ -36 \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad 943 \\ -218 \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad 208 \\ -109 \\ \hline \end{array}$$

$$\begin{array}{r} 18. \quad 705 \\ -329 \\ \hline \end{array}$$

Find the product.

- $9 \times 8 = \underline{\quad}$
- $7 \times 6 = \underline{\quad}$
- $6 \times 4 = \underline{\quad}$
- $5 \times 9 = \underline{\quad}$

Name \_\_\_\_\_

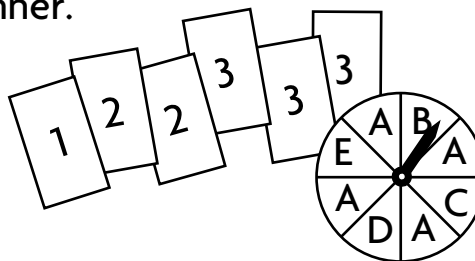
## Likely and Unlikely

For 1–2, tell whether each event is *likely* or *unlikely*.

- having the same birthday as 5 other classmates \_\_\_\_\_
- eating a piece of fruit—or some food with fruit in it—today \_\_\_\_\_

For 3–4, look at the set of cards and spinner.

- Suppose these cards are mixed up and placed face-down. If you turn over one card, which number are you unlikely to choose? Why?



- Which letter on the spinner are you likely to spin? Explain.

### Mixed Review

5.  $9 \overline{)81}$

6.  $5 \overline{)10}$

7.  $6 \overline{)36}$

8.  $7 \overline{)49}$

9.  $4 \overline{)40}$

10.  $3 \overline{)24}$

11.  $7 \overline{)56}$

12.  $10 \overline{)20}$

13.  $\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$

14.  $\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$

15.  $\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$

16.  $\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$

17.  $\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$

18.  $\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$

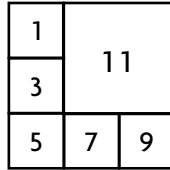
19.  $\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$

20.  $\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$

## Possible Outcomes

For 1–4, list the possible outcomes of each event.

1. dropping a marker on one of these squares



\_\_\_\_\_

2. pulling a number from this bag

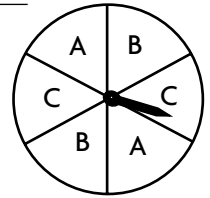


\_\_\_\_\_

3. rolling a cube labeled A–F

\_\_\_\_\_

4. using this spinner

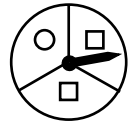


\_\_\_\_\_

5. Karen has a bag of 4 blue balls, 2 green balls, and 1 red ball. What is the chance that she will pull a green ball from the bag?

\_\_\_\_\_

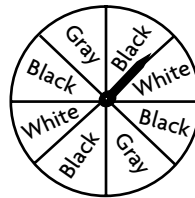
6. Martin spins the pointer. What is his chance of spinning a square?



\_\_\_\_\_

7. Gia used this spinner. The pointer landed on black 1 time, and on white 1 time. Predict the color it will land on next. What is the chance she will spin gray?

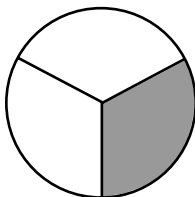
\_\_\_\_\_



## Mixed Review

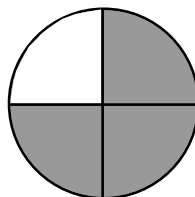
Write the fraction that names the white part of the spinner.

8.



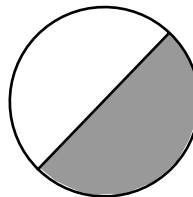
\_\_\_\_\_

9.



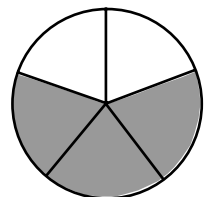
\_\_\_\_\_

10.



\_\_\_\_\_

11.



\_\_\_\_\_

## Experiments

Read the following experiment.

Marsha has a bag filled with 20 tiles. There are 7 blue, 2 green, 4 yellow, and 7 red tiles. She pulls a tile from the bag 10 times. Below is a list of the outcomes of the 10 pulls.

- |          |          |
|----------|----------|
| 1–red    | 6–red    |
| 2–blue   | 7–blue   |
| 3–red    | 8–yellow |
| 4–yellow | 9–red    |
| 5–green  | 10–blue  |

MARSHA'S EXPERIMENT	
Color	Tally
Red	
Blue	
Yellow	
Green	

Record the results in the tally table.

Use your tally table to answer 1–3.

1. What color did she pull most often?

\_\_\_\_\_

2. What color did she pull least often?

\_\_\_\_\_

3. Why do you think this is so?

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## Mixed Review

Solve.

4. 
$$\begin{array}{r} 33 \\ +17 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 79 \\ +82 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 543 \\ +108 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 412 \\ +344 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 190 \\ +150 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 222 \\ +279 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 987 \\ +213 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 557 \\ +904 \\ \hline \end{array}$$

12.  $10 \times 4 = \underline{\quad}$

13.  $\underline{\quad} \times 9 = 27$

14.  $5 \times \underline{\quad} = 40$

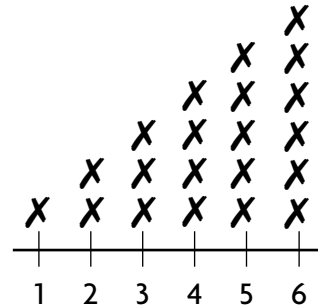


### Predict Outcomes

1. This tally table shows the pulls from a bag of tiles. Predict which color is most likely to be pulled.

Tally Table	
Color	Tallies
black	###
green	
red	### ###

2. The line plot below shows the results of rolling a number cube. Predict which number you would most likely roll.



3. This tally table shows the results of using a spinner. Predict whether the spinner will land on blue or red on the next spin.

Tally Table	
Color	Tallies
blue	### ### ###
red	### ### ###

4. This tally table shows the pulls from a bag of balls. Predict which color is least likely to be pulled.

Tally Table	
Color	Tallies
blue	### ### ###
white	
purple	### ###

### Mixed Review

Complete.

5. 35¢ = \_\_\_\_\_ pennies

6. \$2.00 = \_\_\_\_\_ dimes

7. 75¢ = \_\_\_\_\_ quarters

8. 65¢ = \_\_\_\_\_ nickels

Underline the number that is less.

9. 35 or 54

10. 91 or 88

11. 110 or 100

Name \_\_\_\_\_

# Problem Solving Skill

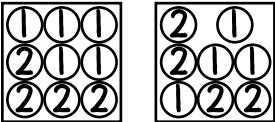
## Draw Conclusions

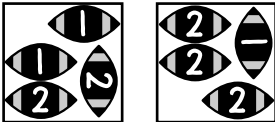
### Vocabulary

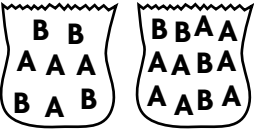
Fill in the blank.

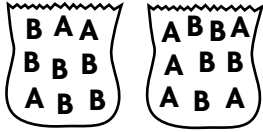
1. A game is \_\_\_\_\_ if every player has an equal chance to win.
- 

Circle the box of balls or bag of letters that is fair. For each unfair box or bag, write the most likely outcome.

2. 

3. 

4. 

5. 

### Mixed Review

Add.

6. 
$$\begin{array}{r} 45 \\ +26 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 333 \\ +129 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 700 \\ +219 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 176 \\ +206 \\ \hline \end{array}$$

Round to the nearest thousand.

10. 2,780 \_\_\_\_\_

11. 1,376 \_\_\_\_\_

12. 4,900 \_\_\_\_\_

13. 3,100 \_\_\_\_\_

Find the missing addend.

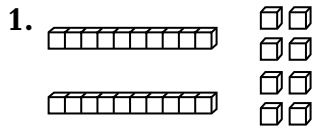
14.  $900 + \underline{\hspace{2cm}} = 1,000$

15.  $\underline{\hspace{2cm}} + 779 = 979$

16.  $954 + \underline{\hspace{2cm}} = 1,250$

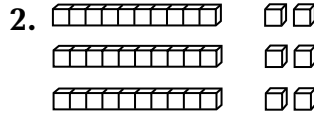
# Multiply 2-Digit Numbers

Use the array to help find the product.



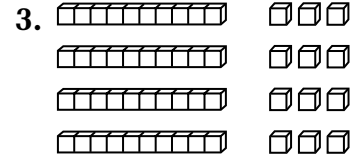
$2 \times 10 = 20 \quad 2 \times 4 = 8$

$2 \times 14 = \underline{\hspace{2cm}}$



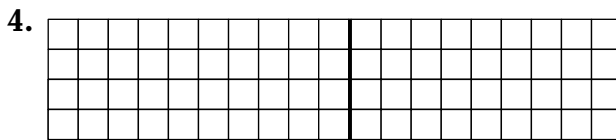
$3 \times 10 = 30 \quad 3 \times 2 = 6$

$3 \times 12 = \underline{\hspace{2cm}}$



$4 \times 10 = 40 \quad 4 \times 3 = 12$

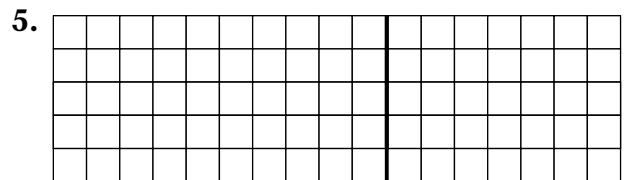
$4 \times 13 = \underline{\hspace{2cm}}$



$4 \text{ rows of } 10$   
 $4 \times 10 = 40$

$4 \text{ rows of } 9$   
 $4 \times 9 = 36$

$4 \times 19 = \underline{\hspace{2cm}}$



$5 \text{ rows of } 10$   
 $5 \times 10 = 50$

$5 \text{ rows of } 7$   
 $5 \times 7 = 35$

$5 \times 17 = \underline{\hspace{2cm}}$

Use base-ten blocks or grid paper to find the product.

6.  $4 \times 12 = \underline{\hspace{2cm}}$

7.  $3 \times 13 = \underline{\hspace{2cm}}$

## Mixed Review

Add or subtract.

8. 
$$\begin{array}{r} 62 \\ - 33 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} \$0.38 \\ + \$0.19 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 79 \\ + 28 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 54 \\ + 42 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 94 \\ - 59 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 88 \\ + 17 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} \$0.68 \\ - \$0.47 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} \$0.76 \\ - \$0.39 \\ \hline \end{array}$$

Find the product.

16. 
$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} 10 \\ \times 5 \\ \hline \end{array}$$

19. 
$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

20. 
$$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$$

## Record Multiplication

Find the product. You may wish to use base-ten blocks.

1. 
$$\begin{array}{r} 56 \\ \times 4 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 29 \\ \times 2 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 64 \\ \times 3 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 24 \\ \times 5 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 13 \\ \times 4 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 84 \\ \times 5 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 45 \\ \times 7 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 36 \\ \times 8 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 24 \\ \times 2 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 32 \\ \times 6 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 47 \\ \times 7 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 29 \\ \times 4 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 18 \\ \times 3 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 51 \\ \times 2 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 27 \\ \times 4 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 33 \\ \times 6 \\ \hline \end{array}$$

## Mixed Review

Solve.

17.  $3 \times 4 \times 2 = \underline{\quad}$

18.  $8 \times 0 \times 9 = \underline{\quad}$

19.  $5 \times 6 \times 1 = \underline{\quad}$

20.  $7 \times 2 \times 5 = \underline{\quad}$

21. Bob played with his friends for 1 hr and 30 minutes. They started playing at 2:15. At what time did they stop?

\_\_\_\_\_

22. Dot's birthday is 2 weeks from today. Today is February 4. On what date is Dot's birthday?

\_\_\_\_\_

Regroup. Write the missing number.

23. 5 tens 27 ones = \_\_\_\_\_ tens \_\_\_\_\_ ones

24. 2 tens 19 ones = \_\_\_\_\_ tens 9 ones

25. \_\_\_\_\_ tens 31 ones = 8 tens 1 one

## PW86 Practice

## Practice Multiplication

Find the product. Tell whether you need to regroup.

Write *yes* or *no*.

1. 
$$\begin{array}{r} 96 \\ \times 3 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 21 \\ \times 2 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 83 \\ \times 5 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 56 \\ \times 6 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 71 \\ \times 3 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 45 \\ \times 2 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 69 \\ \times 5 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 83 \\ \times 3 \\ \hline \end{array}$$

Find the product.

9. 
$$\begin{array}{r} 75 \\ \times 3 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 28 \\ \times 7 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 16 \\ \times 4 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 33 \\ \times 2 \\ \hline \end{array}$$

13.  $2 \times 84 =$   
\_\_\_\_\_

14.  $3 \times 64 =$   
\_\_\_\_\_

15.  $5 \times 32 =$   
\_\_\_\_\_

## Mixed Review

Write the value of the underlined digit.

16. 86,459 \_\_\_\_\_

17. 342,196 \_\_\_\_\_

18. 74,598 \_\_\_\_\_

19. 2,437 \_\_\_\_\_

20. 69,438 \_\_\_\_\_

21. 11,302 \_\_\_\_\_

Complete.

22. \_\_\_\_\_  $\times 9 = 36$

23.  $56 =$  \_\_\_\_\_  $\times 8$

24.  $6 \times$  \_\_\_\_\_  $= 54$

25.  $17 +$  \_\_\_\_\_  $= 44$

26. \_\_\_\_\_  $- 9 = 43$

27.  $21 +$  \_\_\_\_\_  $= 64$

28. \_\_\_\_\_  $\times 8 = 56$

29.  $7 \times$  \_\_\_\_\_  $= 28$

30.  $5 \times$  \_\_\_\_\_  $= 45$

31.  $59 -$  \_\_\_\_\_  $= 31$

32.  $22 +$  \_\_\_\_\_  $= 30$

33.  $38 +$  \_\_\_\_\_  $= 55$

34.  $9 \times$  \_\_\_\_\_  $= 36$

35. \_\_\_\_\_  $\times 5 = 40$

36.  $7 \times$  \_\_\_\_\_  $= 49$

## Problem Solving Skill

### Choose the Operation

Write whether you would *add*, *subtract*, *multiply*, or *divide*. Then solve.

- |  |  |
|--|--|
| <p>1. Susan's family paid \$36 for 4 used videos. Each video cost the same amount. How much did each video cost?</p> <p>_____</p>                  | <p>2. A third-grade class learns 18 spelling words one week and 16 the next week. How many words does the class learn in 2 weeks?</p> <p>_____</p> |
| <p>3. A lunch room seats 84 students. If there are 56 students in the lunch room, how many more students can the lunch room hold?</p> <p>_____</p> | <p>4. Maria has written 24 pages in her diary. She puts 3 daily entries on each page. How many daily entries has she written?</p> <p>_____</p>     |

### Mixed Review

Find the sum.

5. $\begin{array}{r} 14 \\ 15 \\ + 18 \\ \hline \end{array}$	6. $\begin{array}{r} 29 \\ 8 \\ + 77 \\ \hline \end{array}$	7. $\begin{array}{r} 63 \\ 30 \\ + 49 \\ \hline \end{array}$	8. $\begin{array}{r} 47 \\ 114 \\ + 142 \\ \hline \end{array}$	9. $\begin{array}{r} 20 \\ 67 \\ + 38 \\ \hline \end{array}$	10. $\begin{array}{r} 83 \\ 25 \\ + 71 \\ \hline \end{array}$
--	---	--	--	--	---

11. $\begin{array}{r} 753 \\ + 495 \\ \hline \end{array}$	12. $\begin{array}{r} 934 \\ + 248 \\ \hline \end{array}$	13. $\begin{array}{r} 295 \\ + 692 \\ \hline \end{array}$	14. $\begin{array}{r} 854 \\ + 196 \\ \hline \end{array}$	15. $\begin{array}{r} 717 \\ + 362 \\ \hline \end{array}$
---	---	---	---	---

16. $\begin{array}{r} 4,762 \\ + 3,291 \\ \hline \end{array}$	17. $\begin{array}{r} 9,132 \\ + 4,376 \\ \hline \end{array}$	18. $\begin{array}{r} 5,689 \\ + 8,542 \\ \hline \end{array}$	19. $\begin{array}{r} 1,911 \\ + 8,149 \\ \hline \end{array}$	20. $\begin{array}{r} 7,571 \\ + 6,025 \\ \hline \end{array}$
---	---	---	---	---

21. $\begin{array}{r} \$14.29 \\ + \$ 6.33 \\ \hline \end{array}$	22. $\begin{array}{r} \$ 4.10 \\ + \$27.19 \\ \hline \end{array}$	23. $\begin{array}{r} \$2.05 \\ + \$8.99 \\ \hline \end{array}$	24. $\begin{array}{r} \$62.77 \\ + \$18.19 \\ \hline \end{array}$	25. $\begin{array}{r} \$41.95 \\ + \$27.42 \\ \hline \end{array}$
---	---	---	---	---

## Mental Math: Patterns in Multiplication

Complete. Use patterns and mental math to help.

1.  $9 \times 1 = \underline{\hspace{2cm}}$

2.  $6 \times 3 = \underline{\hspace{2cm}}$

$9 \times 10 = \underline{\hspace{2cm}}$

$6 \times 30 = \underline{\hspace{2cm}}$

$9 \times 100 = \underline{\hspace{2cm}}$

$6 \times 300 = \underline{\hspace{2cm}}$

$9 \times 1,000 = \underline{\hspace{2cm}}$

$6 \times 3,000 = \underline{\hspace{2cm}}$

3.  $7 \times 4 = \underline{\hspace{2cm}}$

4.  $6 \times 5 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} \times 40 = 280$

$\underline{\hspace{2cm}} \times 50 = 300$

$7 \times \underline{\hspace{2cm}} = 2,800$

$6 \times \underline{\hspace{2cm}} = 3,000$

$7 \times 4,000 = \underline{\hspace{2cm}}$

$6 \times 5,000 = \underline{\hspace{2cm}}$

Use mental math and basic facts to complete.

5.  $7 \times 80 = \underline{\hspace{2cm}}$

6.  $9 \times \underline{\hspace{2cm}} = 45,000$

7.  $\underline{\hspace{2cm}} \times 60 = 240$

8.  $2 \times \underline{\hspace{2cm}} = 1,400$

9.  $7 \times \underline{\hspace{2cm}} = 42,000$

10.  $\underline{\hspace{2cm}} \times 800 = 2,400$

11.  $\underline{\hspace{2cm}} \times 20 = 180$

12.  $5 \times 500 = \underline{\hspace{2cm}}$

13.  $5 \times 4,000 = \underline{\hspace{2cm}}$

14.  $3 \times \underline{\hspace{2cm}} = 210$

15.  $1 \times \underline{\hspace{2cm}} = 1,000$

16.  $5 \times 200 = \underline{\hspace{2cm}}$

### Mixed Review

Find the product or quotient.

17. 
$$\begin{array}{r} 35 \\ \times 7 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} 62 \\ \times 7 \\ \hline \end{array}$$

19. 
$$\begin{array}{r} 58 \\ \times 3 \\ \hline \end{array}$$

20. 
$$\begin{array}{r} 47 \\ \times 5 \\ \hline \end{array}$$

21. 
$$\begin{array}{r} 24 \\ \times 6 \\ \hline \end{array}$$

22.  $36 \div 6 = \underline{\hspace{2cm}}$

23.  $18 \div 6 = \underline{\hspace{2cm}}$

24.  $10 \times 6 = \underline{\hspace{2cm}}$

25.  $81 \div 9 = \underline{\hspace{2cm}}$

26.  $7 \times 6 = \underline{\hspace{2cm}}$

27.  $56 \div 8 = \underline{\hspace{2cm}}$

## Problem Solving Strategy

### Find a Pattern

Find a pattern to solve.

1. A dictionary contains the definitions of 3,000 words. How many words do 5 dictionaries contain?  
\_\_\_\_\_
2. One box can hold 400 file folders. How many file folders can 9 boxes hold?  
\_\_\_\_\_
3. One sheet of grid paper has 900 squares on it. How many squares do 8 sheets of grid paper have altogether?  
\_\_\_\_\_
4. A tourist bus travels 400 miles each day. How many miles will the bus travel in 4 days?  
\_\_\_\_\_
5. For fun, Betty jumps rope 200 times each day. How many jumps will she do in 5 days?  
\_\_\_\_\_
6. Kevin rides his bike 60 miles each month. How many miles does he ride his bike in 6 months?  
\_\_\_\_\_
7. Colleen bought a purse decorated with 800 shiny beads. How many beads would 3 purses have altogether?  
\_\_\_\_\_
8. Neil spent \$900 on a new refrigerator. How much would 6 new refrigerators cost?  
\_\_\_\_\_

### Mixed Review

Divide and check.

9.  $3 \overline{)27}$

10.  $5 \overline{)45}$

11.  $6 \overline{)48}$

12.  $4 \overline{)32}$

13.  $8 \overline{)16}$

Multiply.

14. 
$$\begin{array}{r} 67 \\ \times 6 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 83 \\ \times 9 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 52 \\ \times 7 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 29 \\ \times 5 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} 46 \\ \times 3 \\ \hline \end{array}$$



## Estimate Products

Estimate the product.

1. 
$$\begin{array}{r} 52 \\ \times 7 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 47 \\ \times 6 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 26 \\ \times 4 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 92 \\ \times 8 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 98 \\ \times 3 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 75 \\ \times 2 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 316 \\ \times 3 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 451 \\ \times 7 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 845 \\ \times 5 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 942 \\ \times 3 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 651 \\ \times 8 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 327 \\ \times 4 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 29 \\ \times 8 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 32 \\ \times 6 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 759 \\ \times 9 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 452 \\ \times 6 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 649 \\ \times 3 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} 82 \\ \times 2 \\ \hline \end{array}$$

19. 
$$\begin{array}{r} 256 \\ \times 4 \\ \hline \end{array}$$

20. 
$$\begin{array}{r} 719 \\ \times 5 \\ \hline \end{array}$$

## Mixed Review

Add or subtract.

21. 
$$\begin{array}{r} 834 \\ -509 \\ \hline \end{array}$$

22. 
$$\begin{array}{r} 951 \\ -843 \\ \hline \end{array}$$

23. 
$$\begin{array}{r} 917 \\ -603 \\ \hline \end{array}$$

24. 
$$\begin{array}{r} 508 \\ +293 \\ \hline \end{array}$$

25. 
$$\begin{array}{r} 672 \\ +109 \\ \hline \end{array}$$

26. 
$$\begin{array}{r} \$5.68 \\ - \$2.19 \\ \hline \end{array}$$

27. 
$$\begin{array}{r} \$7.34 \\ - \$0.88 \\ \hline \end{array}$$

28. 
$$\begin{array}{r} \$4.00 \\ - \$0.09 \\ \hline \end{array}$$

29. 
$$\begin{array}{r} \$2.98 \\ + \$6.09 \\ \hline \end{array}$$

30. 
$$\begin{array}{r} \$9.05 \\ + \$3.94 \\ \hline \end{array}$$

Multiply.

31. 
$$\begin{array}{r} 33 \\ \times 7 \\ \hline \end{array}$$

32. 
$$\begin{array}{r} 49 \\ \times 3 \\ \hline \end{array}$$

33. 
$$\begin{array}{r} 61 \\ \times 8 \\ \hline \end{array}$$

34. 
$$\begin{array}{r} 82 \\ \times 5 \\ \hline \end{array}$$

35. 
$$\begin{array}{r} 17 \\ \times 9 \\ \hline \end{array}$$

## Multiply 3-Digit Numbers

Multiply. Tell each place you need to regroup.

$$\begin{array}{r} 1. \quad 354 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 726 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 119 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 329 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 153 \\ \times 4 \\ \hline \end{array}$$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Find the product. Estimate to check.

$$\begin{array}{r} 6. \quad 576 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 925 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 163 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 238 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 412 \\ \times 5 \\ \hline \end{array}$$

Find the product.

$$\begin{array}{r} 11. \quad 248 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 713 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 637 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 362 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 425 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad 462 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad 183 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 18. \quad 279 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 19. \quad 493 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 20. \quad 356 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 21. \quad 358 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 22. \quad 920 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 23. \quad 872 \\ \times 3 \\ \hline \end{array}$$

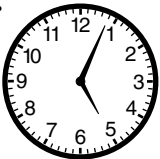
$$\begin{array}{r} 24. \quad 516 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 25. \quad 432 \\ \times 5 \\ \hline \end{array}$$

## Mixed Review

Write the time.

26.



\_\_\_\_\_

27.



\_\_\_\_\_

28.



\_\_\_\_\_



## Find Products Using Money

Find the product in dollars and cents. Estimate to check.

1. 
$$\begin{array}{r} \$7.54 \\ \times 4 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} \$6.26 \\ \times 7 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} \$8.19 \\ \times 6 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} \$5.24 \\ \times 5 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} \$3.61 \\ \times 3 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} \$3.76 \\ \times 8 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} \$4.25 \\ \times 9 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} \$2.63 \\ \times 3 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} \$5.90 \\ \times 4 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} \$3.24 \\ \times 7 \\ \hline \end{array}$$

Find the product in dollars and cents.

11. 
$$\begin{array}{r} \$9.48 \\ \times 2 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} \$7.13 \\ \times 5 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} \$8.37 \\ \times 9 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} \$2.36 \\ \times 6 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} \$1.25 \\ \times 9 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} \$2.62 \\ \times 4 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} \$7.83 \\ \times 6 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} \$9.79 \\ \times 2 \\ \hline \end{array}$$

19. 
$$\begin{array}{r} \$4.91 \\ \times 3 \\ \hline \end{array}$$

20. 
$$\begin{array}{r} \$6.82 \\ \times 4 \\ \hline \end{array}$$

21. 
$$\begin{array}{r} \$8.58 \\ \times 3 \\ \hline \end{array}$$

22. 
$$\begin{array}{r} \$6.20 \\ \times 7 \\ \hline \end{array}$$

23. 
$$\begin{array}{r} \$5.72 \\ \times 8 \\ \hline \end{array}$$

24. 
$$\begin{array}{r} \$5.45 \\ \times 2 \\ \hline \end{array}$$

25. 
$$\begin{array}{r} \$2.15 \\ \times 5 \\ \hline \end{array}$$

## Mixed Review

Write vertically. Add or subtract.

26.  $\$14.52 - \$2.13 = \underline{\hspace{2cm}}$

27.  $\$14.52 + \$2.13 = \underline{\hspace{2cm}}$

28.  $\$17.28 + \$12.99 = \underline{\hspace{2cm}}$

29.  $\$17.28 - \$12.99 = \underline{\hspace{2cm}}$



## Practice Multiplication

Find the product. Estimate to check.

1. 
$$\begin{array}{r} 6,754 \\ \times 3 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} \$36.56 \\ \times 5 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 3,919 \\ \times 7 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 4,214 \\ \times 3 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 6,521 \\ \times 5 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} \$53.76 \\ \times 4 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 6,425 \\ \times 8 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 3,863 \\ \times 2 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 7,338 \\ \times 2 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 2,462 \\ \times 4 \\ \hline \end{array}$$

Find the product.

11. 
$$\begin{array}{r} \$59.48 \\ \times 3 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 5,413 \\ \times 6 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 7,237 \\ \times 5 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 2,134 \\ \times 8 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} \$7.68 \\ \times 2 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 9,262 \\ \times 7 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} \$70.83 \\ \times 4 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} 179 \\ \times 9 \\ \hline \end{array}$$

19. 
$$\begin{array}{r} 564 \\ \times 6 \\ \hline \end{array}$$

20. 
$$\begin{array}{r} 4,312 \\ \times 5 \\ \hline \end{array}$$

21. 
$$\begin{array}{r} 1,958 \\ \times 2 \\ \hline \end{array}$$

22. 
$$\begin{array}{r} 6,020 \\ \times 8 \\ \hline \end{array}$$

23. 
$$\begin{array}{r} 978 \\ \times 8 \\ \hline \end{array}$$

24. 
$$\begin{array}{r} 1,236 \\ \times 7 \\ \hline \end{array}$$

25. 
$$\begin{array}{r} 512 \\ \times 9 \\ \hline \end{array}$$

26.  $5 \times 2,317 = \underline{\hspace{2cm}}$

27.  $\underline{\hspace{2cm}} = 6 \times 5,912$

## Mixed Review

Complete.

28.  $4 \times 7 = \underline{\hspace{2cm}}$

29.  $6 \times 9 = \underline{\hspace{2cm}}$

$4 \times 70 = \underline{\hspace{2cm}}$

$6 \times 90 = \underline{\hspace{2cm}}$

$4 \times 700 = \underline{\hspace{2cm}}$

$6 \times 900 = \underline{\hspace{2cm}}$

$4 \times 7,000 = \underline{\hspace{2cm}}$

$6 \times 9,000 = \underline{\hspace{2cm}}$



## Divide with Remainders

### Vocabulary

Fill in the blank.

1. In division, the \_\_\_\_\_ is the amount left over when a number cannot be divided evenly.
- 

Use counters to find the quotient and remainder.

2.  $13 \div 3 =$  \_\_\_\_\_      3.  $15 \div 2 =$  \_\_\_\_\_      4.  $11 \div 4 =$  \_\_\_\_\_  
5.  $12 \div 5 =$  \_\_\_\_\_      6.  $10 \div 4 =$  \_\_\_\_\_      7.  $9 \div 5 =$  \_\_\_\_\_

Find the quotient and remainder. You may use counters or draw a picture to help.

8.  $17 \div 3 =$  \_\_\_\_\_      9.  $13 \div 4 =$  \_\_\_\_\_  
10.  $23 \div 4 =$  \_\_\_\_\_      11.  $30 \div 4 =$  \_\_\_\_\_  
12.  $25 \div 3 =$  \_\_\_\_\_      13.  $17 \div 4 =$  \_\_\_\_\_

### Mixed Review

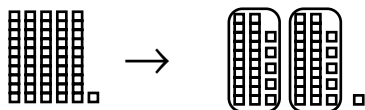
Find the difference. Estimate to check.

14.  $432 - 251 =$  \_\_\_\_\_      15.  $847 - 563 =$  \_\_\_\_\_      16.  $712 - 386 =$  \_\_\_\_\_  
17.  $598 - 202 =$  \_\_\_\_\_      18.  $\$6.29 - \$3.84 =$  \_\_\_\_\_      19.  $515 - 409 =$  \_\_\_\_\_  
20.  $\$7.06 - \$4.37 =$  \_\_\_\_\_      21.  $824 - 399 =$  \_\_\_\_\_      22.  $918 - 264 =$  \_\_\_\_\_

## Model Division of 2-Digit Numbers

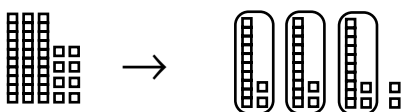
Use the model. Write the quotient and remainder.

1.  $51 \div 2 = \underline{\quad} ?$



\_\_\_\_\_.

2.  $38 \div 3 = \underline{\quad} ?$



\_\_\_\_\_.

Divide. You may use base-ten blocks to help.

3.  $2 \overline{)53}$

4.  $4 \overline{)61}$

5.  $2 \overline{)17}$

6.  $5 \overline{)63}$

7.  $5 \overline{)48}$

8.  $3 \overline{)48}$

### Mixed Review

Find the difference.

9. 
$$\begin{array}{r} 7,658 \\ -1,947 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 8,000 \\ -2,503 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 5,468 \\ -3,846 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} \$39.59 \\ -\$17.64 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 9,046 \\ -4,108 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 3,417 \\ -1,908 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 1,754 \\ - 862 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 21,086 \\ -17,497 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 4,325 \\ - 648 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} 6,023 \\ -5,100 \\ \hline \end{array}$$



## Record Division of 2-Digit Numbers

Divide and check.

1.  $72 \div 7 = \underline{\quad}$

2.  $49 \div 6 = \underline{\quad}$

3.  $88 \div 8 = \underline{\quad}$

4.  $6 \overline{)34}$

5.  $7 \overline{)19}$

6.  $5 \overline{)59}$

Write the check step for each division problem.

Check: 7. $5 \overline{)27}$	Check: 8. $3 \overline{)48}$	Check: 9. $4 \overline{)65}$
---------------------------------	---------------------------------	---------------------------------

### Mixed Review

Find the product.

10.  $\begin{array}{r} 13 \\ \times 6 \\ \hline \end{array}$

11.  $\begin{array}{r} 21 \\ \times 3 \\ \hline \end{array}$

12.  $\begin{array}{r} 53 \\ \times 5 \\ \hline \end{array}$

13.  $\begin{array}{r} 36 \\ \times 4 \\ \hline \end{array}$

14.  $\begin{array}{r} 19 \\ \times 1 \\ \hline \end{array}$

15.  $\begin{array}{r} 48 \\ \times 7 \\ \hline \end{array}$

16.  $\begin{array}{r} 16 \\ \times 5 \\ \hline \end{array}$

17.  $\begin{array}{r} 43 \\ \times 7 \\ \hline \end{array}$

18.  $\begin{array}{r} 38 \\ \times 3 \\ \hline \end{array}$

19.  $\begin{array}{r} 29 \\ \times 6 \\ \hline \end{array}$

20.  $\begin{array}{r} 50 \\ \times 4 \\ \hline \end{array}$

21.  $\begin{array}{r} 17 \\ \times 8 \\ \hline \end{array}$



## Practice Division

Divide and check.

1.  $29 \div 4 =$  \_\_\_\_\_      2.  $67 \div 5 =$  \_\_\_\_\_      3.  $63 \div 4 =$  \_\_\_\_\_

Check:

Check:

Check:

4.  $56 \div 3 =$  \_\_\_\_\_      5.  $39 \div 2 =$  \_\_\_\_\_      6.  $51 \div 3 =$  \_\_\_\_\_

Check:

Check:

Check:

## Mixed Review

Write the missing factor.

7.  $24 = 8 \times \blacksquare$       8.  $45 = \blacksquare \times 5$       9.  $9 \times \blacksquare = 81$       10.  $100 = 10 \times \blacksquare$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

11.  $12 = 4 \times \blacksquare$       12.  $18 = 2 \times \blacksquare$       13.  $7 \times \blacksquare = 63$       14.  $64 = 8 \times \blacksquare$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



## Problem Solving Skill

### Interpret the Remainder

- Alexandra has 74 baseball cards in a collection. She can fit 9 cards on a page. How many pages does she need?  
\_\_\_\_\_
- Roger is making kites. It takes 6 feet of string to make a kite. He has 80 feet of string. How many kites can he make?  
\_\_\_\_\_
- Clem has 63 books. He wants to put an equal number of books on each of 5 shelves. The rest of the books he will donate to a library. How many books will Clem donate to a library?  
\_\_\_\_\_
- George is making toast. His toaster toasts 2 slices of bread at one time. He cannot toast one slice at a time in his toaster. He has 19 pieces of bread. How many times will he use his toaster?  
\_\_\_\_\_
- Rob has 32 snacks that he needs to pack equally into 5 boxes. How many snacks will be in each box?  
\_\_\_\_\_
- Mary and 12 of her friends are going on a bus trip. Each seat on the bus holds three. How many seats will they need?  
\_\_\_\_\_

### Mixed Review

Divide and check.

7.  $9 \overline{)37}$

8.  $8 \overline{)46}$

9.  $4 \overline{)58}$

Subtract.

10. 
$$\begin{array}{r} 4,236 \\ -3,572 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 3,502 \\ -2,508 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 4,003 \\ -3,927 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 8,611 \\ -7,844 \\ \hline \end{array}$$

## Mental Math: Patterns in Division

Complete. Use patterns and mental math.

1.  $36 \div 4 = \underline{\quad}$

2.  $54 \div 6 = \underline{\quad}$

3.  $25 \div 5 = \underline{\quad}$

$360 \div 4 = \underline{\quad}$

$540 \div 6 = \underline{\quad}$

$\underline{\quad} \div 5 = 50$

$3,600 \div 4 = \underline{\quad}$

$5,400 \div 6 = \underline{\quad}$

$2,500 \div 5 = \underline{\quad}$

4.  $27 \div 9 = \underline{\quad}$

5.  $18 \div 2 = \underline{\quad}$

6.  $49 \div 7 = \underline{\quad}$

$\underline{\quad} \div 9 = 30$

$\underline{\quad} \div 2 = 90$

$490 \div 7 = \underline{\quad}$

$2,700 \div \underline{\quad} = 300$

$1,800 \div \underline{\quad} = 900$

$\underline{\quad} \div 7 = 700$

Use mental math and a basic fact to find the quotient.

7.  $2,000 \div 5 = \underline{\quad}$

8.  $5,600 \div 7 = \underline{\quad}$

9.  $3,000 \div 6 = \underline{\quad}$

10.  $900 \div 3 = \underline{\quad}$

11.  $1,500 \div 5 = \underline{\quad}$

12.  $2,800 \div 4 = \underline{\quad}$

13.  $450 \div 9 = \underline{\quad}$

14.  $6,300 \div 7 = \underline{\quad}$

15.  $640 \div 8 = \underline{\quad}$

16.  $400 \div 5 = \underline{\quad}$

17.  $3,500 \div 7 = \underline{\quad}$

18.  $200 \div 2 = \underline{\quad}$

19.  $1,600 \div 4 = \underline{\quad}$

20.  $6,000 \div 2 = \underline{\quad}$

21.  $250 \div 5 = \underline{\quad}$

### Mixed Review

Find the quotient.

22.  $8 \overline{)36}$

23.  $9 \overline{)46}$

24.  $8 \overline{)76}$

25.  $7 \overline{)43}$

Find the product.

26.  $8 \times 6 = \underline{\quad}$

27.  $7 \times 9 = \underline{\quad}$

28.  $4 \times 7 = \underline{\quad}$

29.  $6 \times 6 = \underline{\quad}$

30.  $10 \times 5 = \underline{\quad}$

31.  $8 \times 3 = \underline{\quad}$

32.  $5 \times 7 = \underline{\quad}$

33.  $9 \times 8 = \underline{\quad}$

34.  $7 \times 8 = \underline{\quad}$



## Estimate Quotients

Estimate each quotient. Write the basic fact you used to find the estimate.

1.  $179 \div 3$

\_\_\_\_\_

2.  $484 \div 7$

\_\_\_\_\_

3.  $199 \div 4$

\_\_\_\_\_

4.  $416 \div 6$

\_\_\_\_\_

5.  $648 \div 9$

\_\_\_\_\_

6.  $137 \div 2$

\_\_\_\_\_

Estimate the quotient.

7.  $148 \div 5 = \underline{\quad}$

8.  $134 \div 7 = \underline{\quad}$

9.  $268 \div 3 = \underline{\quad}$

10.  $555 \div 7 = \underline{\quad}$

11.  $538 \div 9 = \underline{\quad}$

12.  $334 \div 8 = \underline{\quad}$

13.  $3 \overline{)142}$

14.  $7 \overline{)500}$

15.  $3 \overline{)299}$

16.  $5 \overline{)444}$

17.  $8 \overline{)317}$

18.  $8 \overline{)635}$

## Mixed Review

Divide and check.

19.  $9 \overline{)36}$

20.  $7 \overline{)49}$

21.  $3 \overline{)15}$

22.  $5 \overline{)45}$

23.  $9 \overline{)81}$

24.  $6 \overline{)54}$

25.  $9 \overline{)54}$

26.  $4 \overline{)32}$

Multiply.

17. 
$$\begin{array}{r} 438 \\ \times 6 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} 517 \\ \times 4 \\ \hline \end{array}$$

19. 
$$\begin{array}{r} 629 \\ \times 3 \\ \hline \end{array}$$

20. 
$$\begin{array}{r} 804 \\ \times 7 \\ \hline \end{array}$$

## Place the First Digit in the Quotient

Place an X where the first digit in the quotient should be.

1.  $5 \overline{)252}$

2.  $3 \overline{)156}$

3.  $6 \overline{)96}$

4.  $7 \overline{)497}$

Find the quotient.

5.  $3 \overline{)123}$

6.  $6 \overline{)204}$

7.  $9 \overline{)324}$

8.  $3 \overline{)279}$

9.  $4 \overline{)88}$

10.  $7 \overline{)329}$

11.  $4 \overline{)352}$

12.  $6 \overline{)384}$

13.  $5 \overline{)310}$

14.  $8 \overline{)408}$

15.  $2 \overline{)112}$

16.  $4 \overline{)180}$

## Mixed Review

Multiply.

17. 
$$\begin{array}{r} 435 \\ \times 6 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} 176 \\ \times 6 \\ \hline \end{array}$$

19. 
$$\begin{array}{r} 826 \\ \times 6 \\ \hline \end{array}$$

20. 
$$\begin{array}{r} 532 \\ \times 6 \\ \hline \end{array}$$

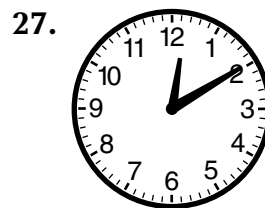
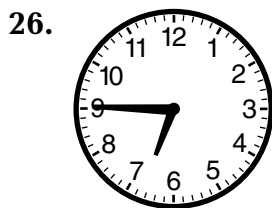
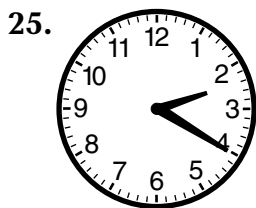
21. 
$$\begin{array}{r} 154 \\ \times 5 \\ \hline \end{array}$$

22. 
$$\begin{array}{r} 278 \\ \times 7 \\ \hline \end{array}$$

23. 
$$\begin{array}{r} 814 \\ \times 2 \\ \hline \end{array}$$

24. 
$$\begin{array}{r} 302 \\ \times 8 \\ \hline \end{array}$$

What time does each clock show?



## Practice Division of 3-Digit Numbers

Find the quotient.

1.  $5 \overline{)810}$

2.  $3 \overline{)963}$

3.  $6 \overline{)948}$

4.  $7 \overline{)952}$

5.  $4 \overline{)392}$

6.  $2 \overline{)830}$

7.  $7 \overline{)924}$

8.  $5 \overline{)255}$

9.  $2 \overline{)174}$

10.  $9 \overline{)675}$

11.  $8 \overline{)744}$

12.  $3 \overline{)762}$

### Mixed Review

Multiply.

13. 
$$\begin{array}{r} 2,421 \\ \times \quad 3 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 3,176 \\ \times \quad 8 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 1,826 \\ \times \quad 7 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 3,521 \\ \times \quad 4 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 9,438 \\ \times \quad 5 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} 2,425 \\ \times \quad 2 \\ \hline \end{array}$$

19. 
$$\begin{array}{r} 4,434 \\ \times \quad 6 \\ \hline \end{array}$$

20. 
$$\begin{array}{r} 1,052 \\ \times \quad 9 \\ \hline \end{array}$$

## Divide Amounts of Money

Find the quotient.

1.  $4 \overline{) \$9.08}$

2.  $3 \overline{) \$8.19}$

3.  $4 \overline{) \$6.12}$

4.  $5 \overline{) \$6.50}$

5.  $2 \overline{) \$7.12}$

6.  $6 \overline{) \$9.54}$

7.  $7 \overline{) \$7.98}$

8.  $6 \overline{) \$6.78}$

9.  $5 \overline{) \$9.80}$

10.  $9 \overline{) \$6.57}$

11.  $8 \overline{) \$9.28}$

12.  $4 \overline{) \$8.68}$

## Mixed Review

Find the sum or difference.

13. 
$$\begin{array}{r} 381 \\ + 746 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 892 \\ - 467 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 520 \\ - 363 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 176 \\ + 859 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} \$2.04 \\ + \$8.78 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} \$9.00 \\ - \$6.35 \\ \hline \end{array}$$

19. 
$$\begin{array}{r} \$3.16 \\ + \$4.87 \\ \hline \end{array}$$

20. 
$$\begin{array}{r} \$7.59 \\ - \$1.96 \\ \hline \end{array}$$

Add.

21.  $82 + 147 + 63 + 298 = \underline{\quad}$

22.  $119 + 43 + 158 + 76 = \underline{\quad}$



## Problem Solving Strategy

### Solve a Simpler Problem

For 1–4, *solve a simpler problem.*

1. There are 800 children that need to be put into 5 groups. How many students should be in each group?

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2. There are 325 children that need to be put into 5 groups. How many students should be in each group?

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3. Larry has \$7.00 in nickels. How many nickels does he have?

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4. Terry has \$80.00 in dimes. How many dimes does she have?

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### Mixed Review

Divide.

$$5. \overline{2)3.50}$$

$$6. \overline{5)5.75}$$

$$7. \overline{4)7.64}$$

$$8. \overline{6)8.70}$$

Multiply.

$$9. \begin{array}{r} 82 \\ \times 7 \\ \hline \end{array}$$

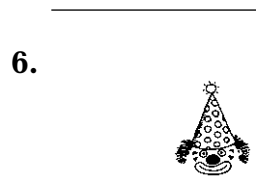
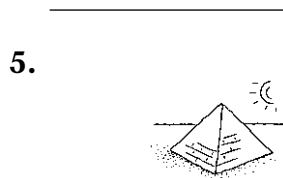
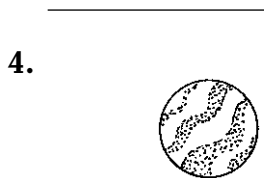
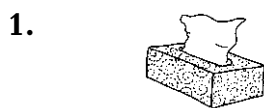
$$10. \begin{array}{r} 192 \\ \times 5 \\ \hline \end{array}$$

$$11. \begin{array}{r} 2,683 \\ \times 4 \\ \hline \end{array}$$

$$12. \begin{array}{r} 1,365 \\ \times 8 \\ \hline \end{array}$$

# Solid Figures

Name the solid figure that each object looks like.



Complete the table.

	Figure	Faces	Edges	Vertices
7.	Cube			
8.	Rectangular Prism			
9.	Square Pyramid			
10.	Sphere			

## Mixed Review

Circle the number that is greater.

11. 3,535                      12. 67,100                      13. 53,606                      14. 9,999  
 3,355                          67,099                          53,701                          10,000

Find the quotient.

15.  $25 \div 5 = \underline{\quad}$     16.  $45 \div 9 = \underline{\quad}$     17.  $35 \div 7 = \underline{\quad}$     18.  $50 \div 10 = \underline{\quad}$   
 19.  $49 \div 7 = \underline{\quad}$     20.  $15 \div 5 = \underline{\quad}$     21.  $81 \div 9 = \underline{\quad}$     22.  $54 \div 6 = \underline{\quad}$

Find the difference.

23.  $25 - 5 = \underline{\quad}$     24.  $45 - 9 = \underline{\quad}$     25.  $35 - 7 = \underline{\quad}$     26.  $50 - 10 = \underline{\quad}$   
 27.  $49 - 7 = \underline{\quad}$     28.  $15 - 5 = \underline{\quad}$     29.  $81 - 9 = \underline{\quad}$     30.  $54 - 6 = \underline{\quad}$



# Combine Solid Figures

Name the solid figures used to make each object.

1.



\_\_\_\_\_

2.



\_\_\_\_\_

3.



\_\_\_\_\_

4.



\_\_\_\_\_

5.



\_\_\_\_\_

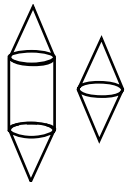
6.



\_\_\_\_\_

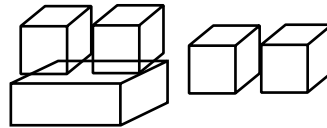
Each pair of objects should be the same. Name the solid figure that is missing.

7.



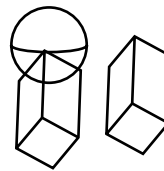
\_\_\_\_\_

8.



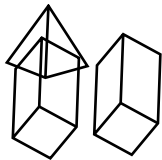
\_\_\_\_\_

9.



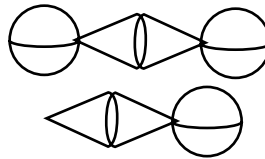
\_\_\_\_\_

10.



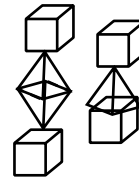
\_\_\_\_\_

11.



\_\_\_\_\_

12.



\_\_\_\_\_

## Mixed Review

Round to the nearest ten.

13. 431 \_\_\_\_\_      14. 7,897 \_\_\_\_\_      15. 25,005 \_\_\_\_\_      16. 19,999 \_\_\_\_\_

Name the place-value position of the underlined digit.

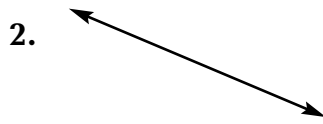
17. 1,298 \_\_\_\_\_      18. 10,118 \_\_\_\_\_      19. 900,255 \_\_\_\_\_      20. 243,611 \_\_\_\_\_

# Line Segments and Angles

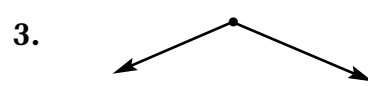
Name each figure.



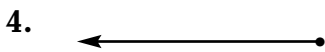
\_\_\_\_\_



\_\_\_\_\_



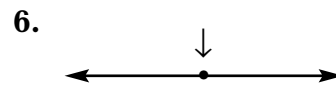
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\_\_\_\_\_

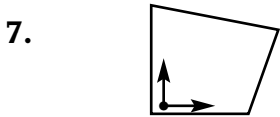


\_\_\_\_\_



\_\_\_\_\_

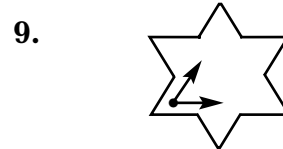
Write whether each angle is a *right angle*, *greater than a right angle*, or *less than a right angle*.



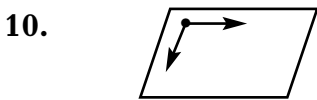
\_\_\_\_\_



\_\_\_\_\_



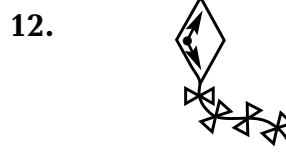
\_\_\_\_\_



\_\_\_\_\_

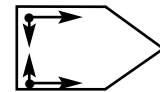


\_\_\_\_\_



\_\_\_\_\_

13. Name the number of line segments, number of angles, and then number of right angles in the figure at the right.



\_\_\_\_\_

## Mixed Review

Find each product.

14. 
$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$$

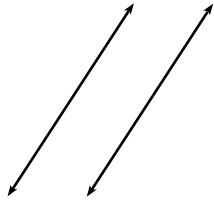
Write  $<$ ,  $>$ , or  $=$  in each  $\bigcirc$ .

18.  $8 + 9 \bigcirc 8 \times 9$

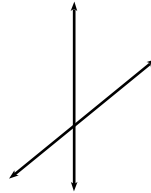
19.  $24 + 16 + 52 \bigcirc 10 \times 9$

### Types of Lines

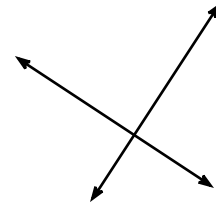
Describe the lines. Write *parallel* or *intersecting*.



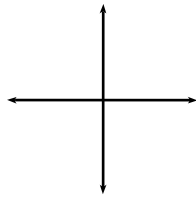
1. \_\_\_\_\_



2. \_\_\_\_\_



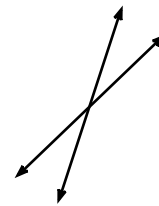
3. \_\_\_\_\_



4. \_\_\_\_\_



5. \_\_\_\_\_

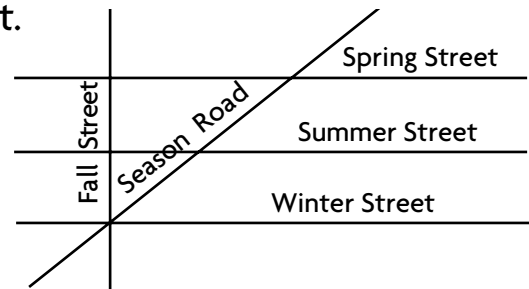


6. \_\_\_\_\_

For Problems 7–9, use the map at the right.

7. Name the streets that intersect Winter Street.

\_\_\_\_\_  
\_\_\_\_\_



8. Name the streets that are parallel.

\_\_\_\_\_  
\_\_\_\_\_

9. Name the type of angle created by the intersection of Winter Street and Fall Street.

\_\_\_\_\_

### Mixed Review

Solve.

10.  $5 \times 9 =$  \_\_\_\_\_

11.  $7 \times 0 =$  \_\_\_\_\_

12.  $4 \times 7 =$  \_\_\_\_\_

13.  $6 \times 6 =$  \_\_\_\_\_

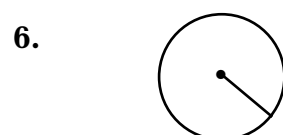
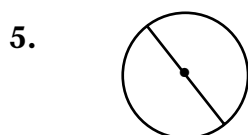
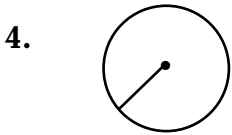
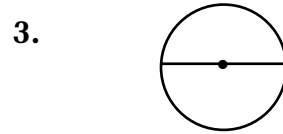
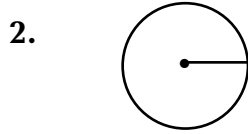
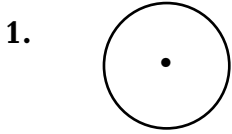
14.  $27 \div 3 =$  \_\_\_\_\_

15.  $32 \div 8 =$  \_\_\_\_\_

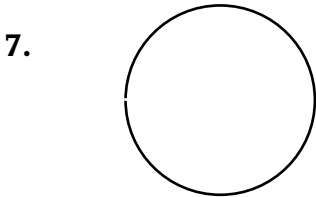
Name \_\_\_\_\_

# Circles

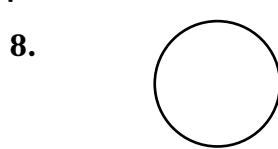
Name the part of the circle that is shown.



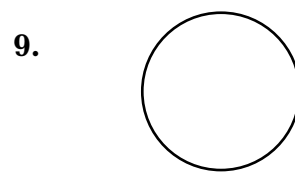
On each circle, draw the part of the circle named.



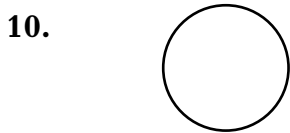
**diameter**



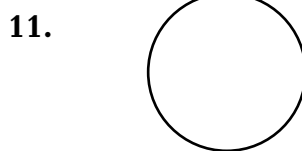
**radius**



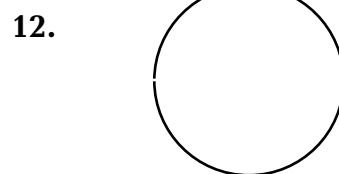
**center**



**center**



**diameter**



**radius**

## Mixed Review

For 13–15, use the information in the tally table.

	Favorite Season
Season	Tally
Summer	### ###
Winter	###
Fall	### ###

13. What is the title of the table?

\_\_\_\_\_

14. How many students like Summer best?

\_\_\_\_\_

15. How many students were asked?

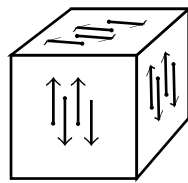
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# Problem Solving Strategy

## Break Problems into Simpler Parts

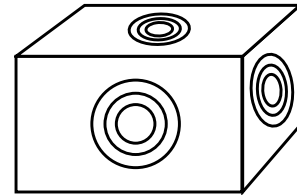
Break problems into simpler parts to solve.

1. Paul has a wooden cube that has the design shown below carved on each of its faces. How many rays are on all the faces of the cube?



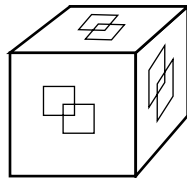
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2. The shoe box below has the company logo on each side. How many circles are on the box?



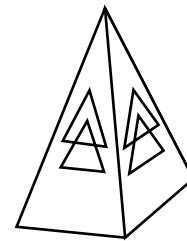
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3. Miranda has a toy that is the shape of a cube. The toy has the design shown below painted on the faces of the cube. How many squares are on the toy?



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4. The paper weight shown below has the same design on 4 sides. How many triangles are drawn on the paper weight?

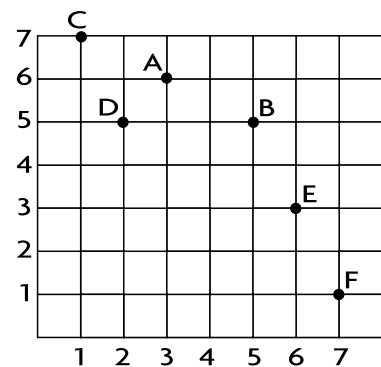


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## Mixed Review

Use the grid at the right. Write the letter of the point named by the ordered pair.

5. (7,1) \_\_\_\_\_      6. (5,5) \_\_\_\_\_  
 7. (1,7) \_\_\_\_\_      8. (2,5) \_\_\_\_\_  
 9. (3,6) \_\_\_\_\_      10. (6,3) \_\_\_\_\_

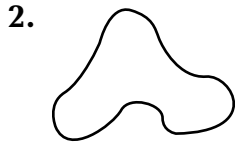


## Polygons

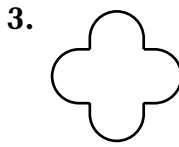
Tell if each figure is a polygon. Write *yes* or *no*.



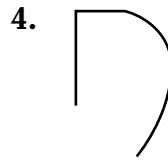
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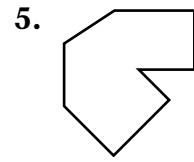
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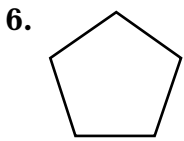


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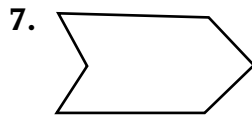


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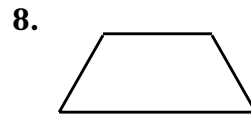
Write the number of sides and angles each polygon has.  
Then name the polygon.



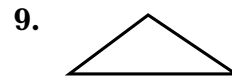
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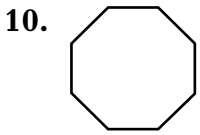
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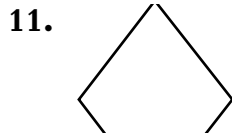
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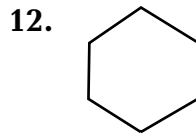
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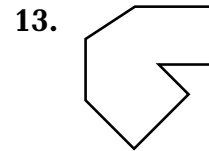
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## Mixed Review

Decide if the number sentence is true or false. Write *true* or *false*.

14.  $18 - 6 = 12$

\_\_\_\_\_

15.  $14 + 3 = 27$

\_\_\_\_\_

16.  $7 \times 6 = 42$

\_\_\_\_\_

17.  $18 \div 6 = 2$

\_\_\_\_\_

18.  $5 \times 7 = 12$

\_\_\_\_\_

19.  $36 \div 6 = 6$

\_\_\_\_\_

Write  $+$ ,  $-$ ,  $\div$ , or  $\times$  in the  $\bigcirc$  to make the number sentence true.

20.  $11 \bigcirc 8 = 19$

21.  $24 \bigcirc 8 = 3$

22.  $9 \bigcirc 9 = 81$

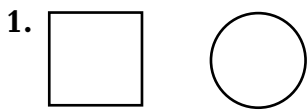
23.  $35 \bigcirc 5 = 30$

24.  $11 \bigcirc 7 = 77$

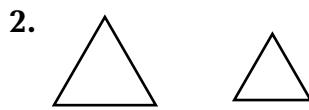
25.  $42 \bigcirc 21 = 21$

## Congruence and Symmetry

Tell whether the two figures are congruent. Write *yes* or *no*.



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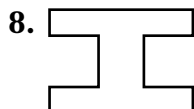


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How many lines of symmetry does each figure have?



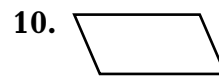
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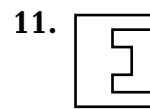
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### Mixed Review

Solve.

12. 
$$\begin{array}{r} 500 \\ - 47 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 300 \\ - 82 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 200 \\ - 153 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 800 \\ - 237 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 800 \\ - 538 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 100 \\ - 36 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} 300 \\ - 42 \\ \hline \end{array}$$

19. 
$$\begin{array}{r} 700 \\ - 515 \\ \hline \end{array}$$

20. 
$$\begin{array}{r} 122 \\ 54 \\ + 106 \\ \hline \end{array}$$

21. 
$$\begin{array}{r} 682 \\ 124 \\ + 589 \\ \hline \end{array}$$

22. 
$$\begin{array}{r} 375 \\ 439 \\ + 86 \\ \hline \end{array}$$

23. 
$$\begin{array}{r} 514 \\ 100 \\ + 300 \\ \hline \end{array}$$

24. 
$$\begin{array}{r} 24 \\ 315 \\ + 7 \\ \hline \end{array}$$

25. 
$$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$$

26. 
$$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$$

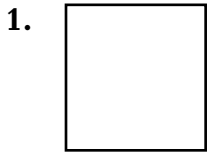
27. 
$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

28. 
$$\begin{array}{r} 11 \\ \times 6 \\ \hline \end{array}$$

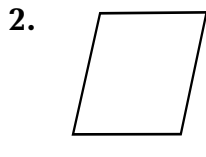
29. 
$$\begin{array}{r} 10 \\ \times 8 \\ \hline \end{array}$$

## Combine Plane Figures

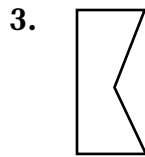
Tell if each figure will tessellate. Write *yes* or *no*.



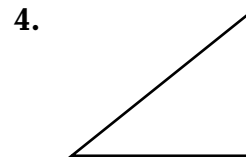
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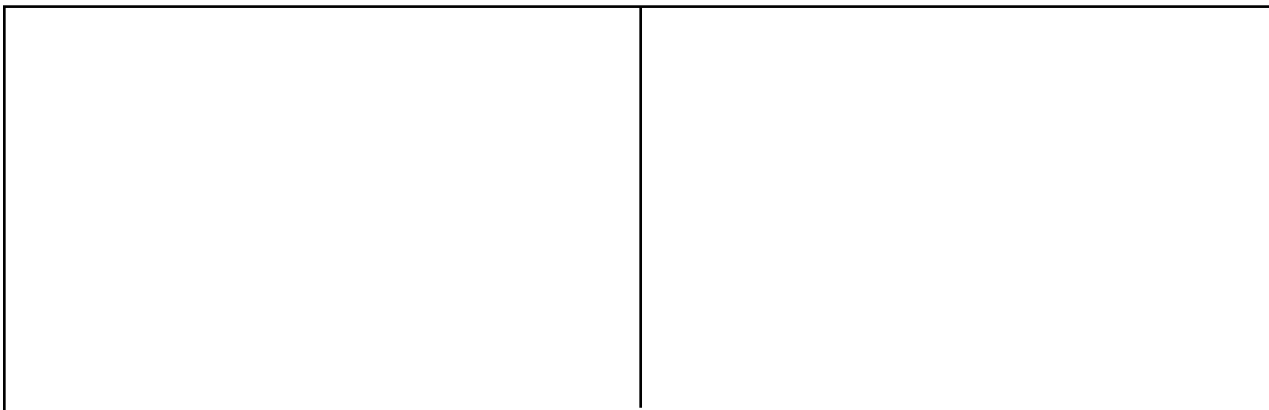
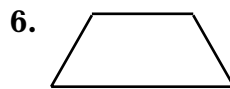
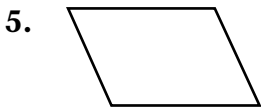


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Trace and cut out each figure. Use each figure to make a tessellation. You may color your design.



## Mixed Review

Write each number in standard form.

7.  $20,000 + 800 + 5$     8.  $30,000 + 6,000 + 10$     9.  $50,000 + 7,000 + 3$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Estimate each sum.

10.  $\begin{array}{r} 874 \\ + 635 \\ \hline \end{array}$

11.  $\begin{array}{r} 952 \\ + 411 \\ \hline \end{array}$

12.  $\begin{array}{r} 892 \\ + 999 \\ \hline \end{array}$

13.  $\begin{array}{r} 352 \\ + 429 \\ \hline \end{array}$

14.  $\begin{array}{r} 925 \\ + 659 \\ \hline \end{array}$

Write the number of sides and angles each plane figure has.

15. hexagon

\_\_\_\_\_

16. octagon

\_\_\_\_\_

17. pentagon

\_\_\_\_\_



## Problem Solving Strategy

### Find a Pattern

Find a pattern to solve.

1. Sarah is gluing shapes around a frame. Draw the next three shapes in her pattern.



2. Jeff is decorating the border of a crown. Draw the next three shapes in his pattern.



3. There is a pattern in the numbers below. What will the next two numbers be?

3, 14, 25, 36, \_\_\_\_\_, \_\_\_\_\_

4. Sketch the next two dot triangles to continue the pattern below.



5. Julio drew this pattern on his paper. What is the next figure in the pattern?



6. Maria writes this number pattern:

5, 14, 23, 32, 41

Describe Maria's number pattern.

### Mixed Review

Write the rule and the next number in each pattern.

7. 10, 15, 20, 25,    ?    8. 3, 6, 9, 12, 15,    ?    9. 56, 50, 44, 38,    ?

Find the product.

10.  $6 \times 6 =$  \_\_\_\_\_

11.  $4 \times 6 =$  \_\_\_\_\_

12.  $8 \times 6 =$  \_\_\_\_\_

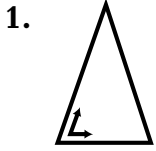
13.  $5 \times 5 =$  \_\_\_\_\_

14.  $5 \times 8 =$  \_\_\_\_\_

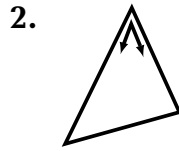
15.  $5 \times 7 =$  \_\_\_\_\_

### Triangles

Write if each angle is a *right angle*, *greater than a right angle*, or *less than a right angle*.



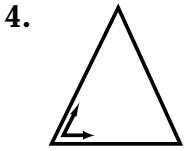
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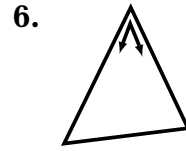
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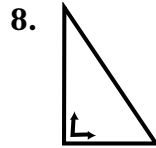
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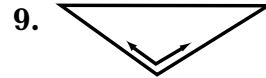
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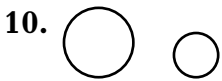
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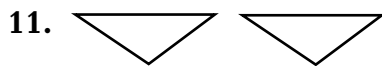
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### Mixed Review

Tell whether the two figures are congruent. Write *yes* or *no*.



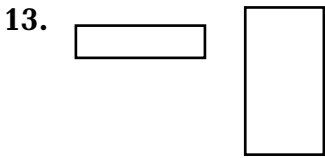
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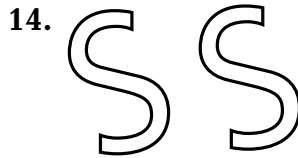
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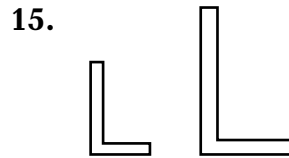
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Add.

16. 
$$\begin{array}{r} 23 \\ +37 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 145 \\ +135 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} 94 \\ +136 \\ \hline \end{array}$$

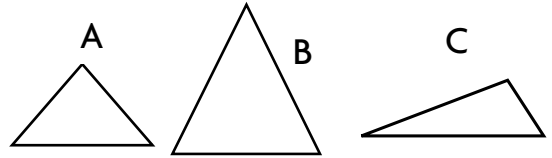
### Sort Triangles

For 1–3, use the triangles at the right. Write A, B, or C.

1. Which triangle is scalene? \_\_\_\_\_

2. Which triangles have at least 2 equal sides? \_\_\_\_\_

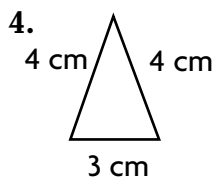
3. Which triangle has 1 angle that is greater than a right angle? \_\_\_\_\_



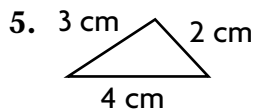
For 4–7, write one letter from each box to describe each triangle.

- a. Equilateral
- b. Isosceles
- c. Scalene

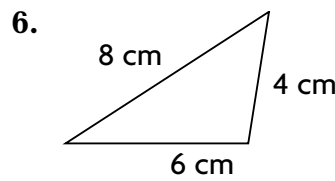
- d. It has 1 right angle.
- e. It has 1 angle greater than a right angle.
- f. All angles are less than a right angle.



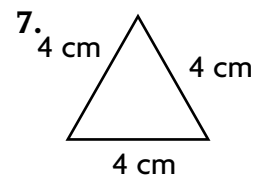
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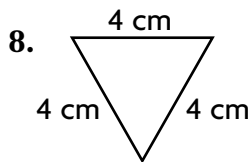


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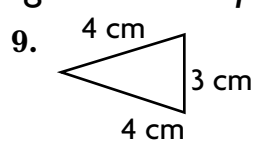


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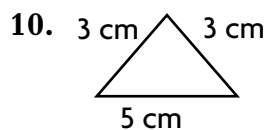
Name each triangle. Write *equilateral*, *isosceles*, or *scalene*.



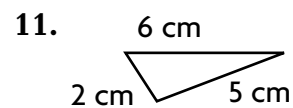
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### Mixed Review

12. 
$$\begin{array}{r} 4,692 \\ + 8,403 \\ \hline \end{array}$$


13. 
$$\begin{array}{r} 9,721 \\ + 3,688 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 6,400 \\ + 7,211 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 4,209 \\ + 362 \\ \hline \end{array}$$

### Quadrilaterals

Describe the angles and sides of each quadrilateral.

1.  \_\_\_\_\_  
 \_\_\_\_\_

2.  \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

3.  \_\_\_\_\_  
 \_\_\_\_\_

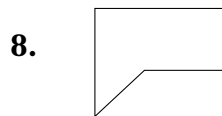
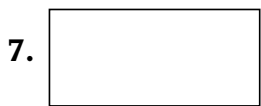
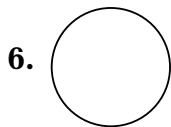
For 4–5, use the quadrilaterals above. Write *true* or *false* for each statement.

4. All of the quadrilaterals have parallel sides. \_\_\_\_\_

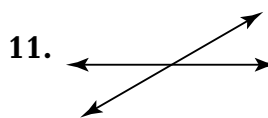
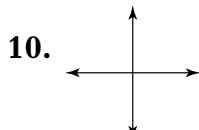
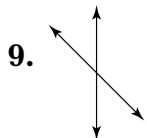
5. Some of the quadrilaterals have right angles. \_\_\_\_\_

### Mixed Review

Tell if each figure is a polygon. Write *yes* or *no*.



Tell if the intersecting lines form right angles. Write *yes* or *no*.



Divide.

12.  $9 \div 3 =$  \_\_\_\_\_

13.  $72 \div 9 =$  \_\_\_\_\_

14.  $48 \div 6 =$  \_\_\_\_\_

15.  $54 \div 6 =$  \_\_\_\_\_

16.  $49 \div 7 =$  \_\_\_\_\_

17.  $32 \div 8 =$  \_\_\_\_\_

### Sort Quadrilaterals

For 1–3, use the quadrilaterals below. Write *A, B, C, D, or E*.

1. Which quadrilaterals have 2 pairs of equal sides? \_\_\_\_\_

2. Which quadrilaterals have no right angles? \_\_\_\_\_

3. How are quadrilaterals A and B alike? How are they different?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



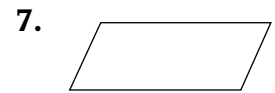
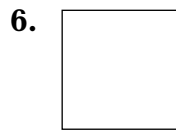
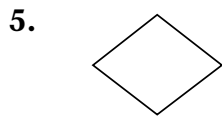
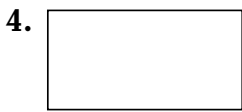
For 4–7, write *all* the letters that describe each quadrilateral. Then write a name for each quadrilateral.

a. It has 4 equal sides.

c. It has 4 right angles.

b. It has 2 pairs of parallel sides.

d. It has 2 pairs of equal sides.



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\_\_\_\_\_

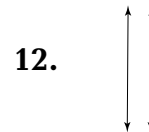
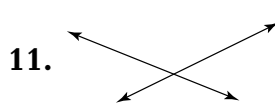
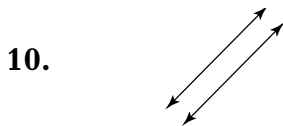
\_\_\_\_\_

### Mixed Review

8.  $3 + 3 + 3 + 3 + 3 + 3 =$  \_\_\_\_\_

9.  $7 + 7 + 7 + 7 + 7 + 7 =$  \_\_\_\_\_

Describe the lines. Write *intersecting* or *parallel*.

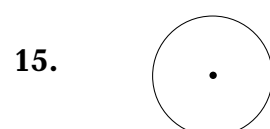
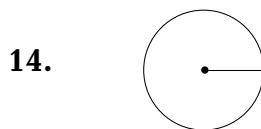
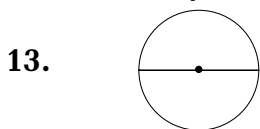


\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Name the part of each circle.



\_\_\_\_\_

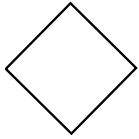
\_\_\_\_\_

\_\_\_\_\_

**Problem Solving Skill**

**Identify Relationships**

1. What are all the ways to name the polygon below? What is the best name for the polygon?



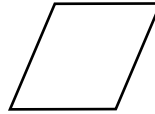
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2. What are all the ways to name the polygon below? What is the best name for the polygon?



\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

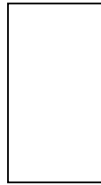
Write the best name for each quadrilateral.

3.



\_\_\_\_\_

4.



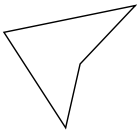
\_\_\_\_\_

5.



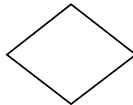
\_\_\_\_\_

6.



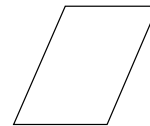
\_\_\_\_\_

7.



\_\_\_\_\_

8.



\_\_\_\_\_

**Mixed Review**

Solve.

9.  $(8 \times 2) \times 0 = \underline{\quad}$     10.  $3 \times (4 \times 2) = \underline{\quad}$     11.  $6 \times (3 \times 3) = \underline{\quad}$

Write + or - to make the number sentence true.

12.  $44 \bigcirc 25 = 69$     13.  $86 \bigcirc 12 = 74$     14.  $63 \bigcirc 7 = 56$

Find the mode of each set of data.

15. 2, 3, 5, 5, 6, 8, 10, 5    16. 25, 29, 23, 15, 13, 26, 30, 15, 19    17. 3, 4, 2, 6, 3, 7, 4, 2, 6, 2, 4, 6, 3, 7, 3, 8, 1




\_\_\_\_\_

\_\_\_\_\_



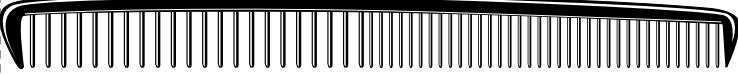
\_\_\_\_\_

# Length

Estimate the length in inches. Then use a ruler to measure to the nearest inch.

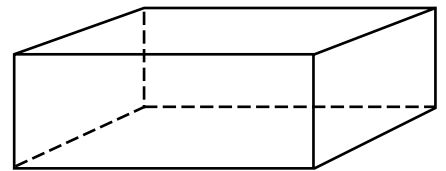
	Estimate	Measure
1. 	_____	_____
2. 	_____	_____
3. 	_____	_____

Measure the length to the nearest half inch.

4. 	_____	_____
5. 	_____	_____
6. 	_____	_____

## Mixed Review

For 7–11, use the solid figure at the right.



7. How many faces does the solid figure have?

\_\_\_\_\_

8. How many edges does the solid figure have?

\_\_\_\_\_

9. How many faces of the solid figure are not squares?

\_\_\_\_\_

10. How many faces of the solid figure are squares?

\_\_\_\_\_

11. What is the name of the solid figure above?

\_\_\_\_\_

## Inch, Foot, Yard, and Mile

Choose the unit you would use to measure each.

Write *inch*, *foot*, *yard*, or *mile*.

1. the length of a table

\_\_\_\_\_

2. the length of a pine cone

\_\_\_\_\_

3. the length of a driveway

\_\_\_\_\_

4. the distance to a neighboring town

\_\_\_\_\_

Choose the best unit of measure. Write *inches*, *feet*, *yards*, or *miles*.

5. A pencil is about

5 \_\_\_\_\_ long.

7. A bike is about

4 \_\_\_\_\_ long.

9. Peter grew almost

2 \_\_\_\_\_ in one year.

6. The distance from your home to the library is about 2

\_\_\_\_\_.

8. The football player kicked the ball 45 \_\_\_\_\_.

10. A man is about

6 \_\_\_\_\_ tall.

### Mixed Review

Find each product.

11.  $7 \times 2 =$  \_\_\_\_\_

12. \_\_\_\_\_  $= 9 \times 5$

13.  $6 \times 6 =$  \_\_\_\_\_

Find each quotient.

14.  $14 \div 2 =$  \_\_\_\_\_

15.  $27 \div 3 =$  \_\_\_\_\_

16. \_\_\_\_\_  $= 18 \div 6$

17.  $24 \div 6 =$  \_\_\_\_\_

18. \_\_\_\_\_  $= 20 \div 4$

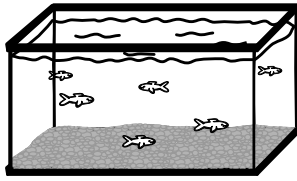
19.  $8 \div 4 =$  \_\_\_\_\_



**Capacity**

Circle the better estimate.

1.



10 quarts or 10 gallons

2.



2 cups or 2 quarts

Compare. Write  $<$ ,  $>$ , or  $=$  in each  $\bigcirc$ .3. 3 cups  $\bigcirc$  1 pint4. 1 gallon  $\bigcirc$  4 quarts5. 3 pints  $\bigcirc$  2 quarts6. 1 gallon  $\bigcirc$  10 cups7. 7 pints  $\bigcirc$  1 gallon8. 2 gallons  $\bigcirc$  16 pints**Mixed Review**

9. 
$$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 86 \\ - 51 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 99 \\ - 83 \\ \hline \end{array}$$

13.  $7 \overline{)63}$

14.  $5 \overline{)40}$

15.  $6 \overline{)24}$

16.  $1 \overline{)12}$

17. Find the sum of 862 and 137.

\_\_\_\_\_

18. Find the product of 6 and 9.

\_\_\_\_\_

19. Which number is greater: 736 or 763?

\_\_\_\_\_

20. What is  $56 \div 8$ ?

\_\_\_\_\_

21. Find the difference of 789 and 326.

\_\_\_\_\_

22. What is  $16 \div 8$ ?

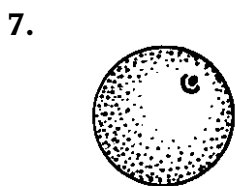
\_\_\_\_\_

## Weight

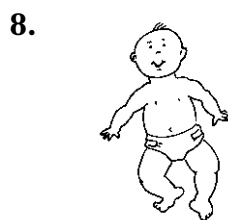
Choose the unit you would use to weigh each.  
Write *ounce* or *pound*.



Circle the better estimate.



4 pounds or  
4 ounces



10 ounces or  
10 pounds



10 pounds or  
10 ounces

## Mixed Review

Order each group of numbers from least to greatest.

10. 234, 561, 144 \_\_\_\_\_

11. 899, 998, 989 \_\_\_\_\_

12. 1,482; 1,248; 1,842 \_\_\_\_\_

13. 6,479; 8,372; 8,362 \_\_\_\_\_

Write the missing factor.

14.  $4 \times \underline{\quad} = 16$

15.  $12 = 6 \times \underline{\quad}$

16.  $3 \times \underline{\quad} = 27$

17.  $80 = \underline{\quad} \times 8$

18.  $\underline{\quad} \times 3 = 33$

19.  $487 = \underline{\quad} \times 487$

## Ways to Change Units

Complete. Use the Table of Measures to help.

1. Change yards to feet.

larger unit \_\_\_\_\_

1 yard = \_\_\_\_\_

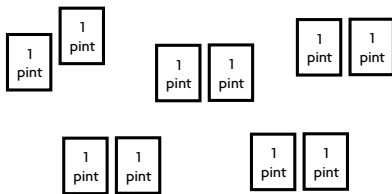
2. Change quarts to gallons.

larger unit \_\_\_\_\_

1 gallon = \_\_\_\_\_

Change the units. Use the Table of Measures to help.

3. \_\_\_\_\_ pints = 1 quart



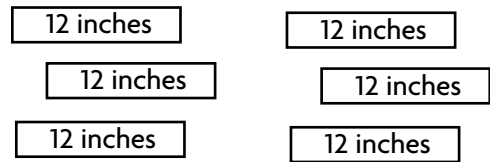
\_\_\_\_\_ pints = 5 quarts

5. \_\_\_\_\_ cups = 1 quart

cups	4	8	12	16
quarts	1	2	3	4

\_\_\_\_\_ cups = 3 quarts

4. \_\_\_\_\_ inches = 1 foot



\_\_\_\_\_ inches = 6 feet

6. \_\_\_\_\_ feet = 1 yard

feet	3	6	9	12
yards	1	2	3	4

\_\_\_\_\_ feet = 4 yards

## Mixed Review

Multiply.

7.  $8 \times 9 =$  \_\_\_\_\_

8.  $10 \times 4 =$  \_\_\_\_\_

9.  $6 \times 7 =$  \_\_\_\_\_

Divide.

10.  $18 \div 9 =$  \_\_\_\_\_

11.  $36 \div 4 =$  \_\_\_\_\_

12.  $40 \div 8 =$  \_\_\_\_\_

Add.

13.  $15 + 13 + 11 =$  \_\_\_\_\_

14.  $35 + 9 + 15 =$  \_\_\_\_\_

15.  $27 + 13 + 48 =$  \_\_\_\_\_

Subtract.

16.  $15 - 13 =$  \_\_\_\_\_

17.  $83 - 17 =$  \_\_\_\_\_

18.  $57 - 48 =$  \_\_\_\_\_



## Algebra: Rules for Changing Units

Use the rules to change the units. (8 pints = 1 gallon)

1. How many pints are in 3 gallons?

Rule: Multiply the number of gallons by 8.

$$3 \times 8 = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} \text{ pints} = 3 \text{ gallons}$$

2. How many gallons are in 16 pints?

Rule: Divide the number of pints by 8.

$$16 \div 8 = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} \text{ gallons} = 16 \text{ pints}$$

Write the rule and change the units. You may make a table to help. (3 feet = 1 yard)

3. How many feet are in 8 yards?

Rule: \_\_\_\_\_ the number of yards by 3.

$$8 \times 3 = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} \text{ feet} = 8 \text{ yards}$$

4. How many yards are in 15 feet?

Rule: \_\_\_\_\_ the number of feet by 3.

$$15 \div 3 = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} \text{ yards} = 15 \text{ feet}$$

5. How many yards are in 21 feet?

Rule: \_\_\_\_\_  
\_\_\_\_\_

$$\underline{\hspace{2cm}} \text{ yards} = 21 \text{ feet}$$

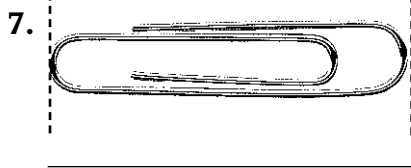
6. How many feet are in 10 yards?

Rule: \_\_\_\_\_  
\_\_\_\_\_

$$\underline{\hspace{2cm}} \text{ feet} = 10 \text{ yards}$$

### Mixed Review

Use a ruler to measure to the nearest inch.



Choose the unit you would use to measure each. Write *inch*, *foot*, *yard*, or *mile*.

9. length of a school bus

\_\_\_\_\_

10. length of a scissors

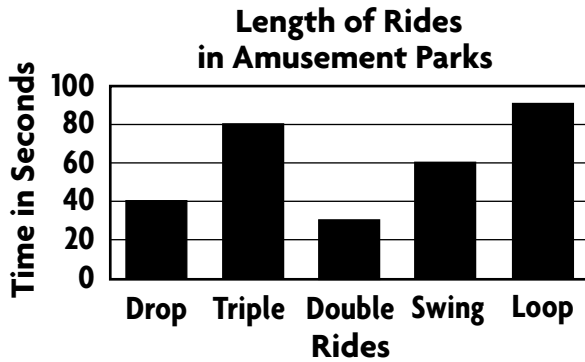
\_\_\_\_\_



## Problem Solving Skill

### Use a Graph

For 1–4, use the graphs.



Magazines Sold	
Shirley	
Fred	
Morton	
Amber	
Mack	
Marsha	

Key: Each = 2 magazines.

1. Which ride lasts the longest?  
the shortest?

\_\_\_\_\_

2. How long would you ride if  
you went on Swing, and  
twice on Triple?

\_\_\_\_\_

3. How many magazines did  
Fred sell?

\_\_\_\_\_

4. How many more magazines  
did Amber sell than Morton?

\_\_\_\_\_

### Mixed Review

5.  $(1 \times 6) \times 8 =$  \_\_\_\_\_

6.  $(3 \times 2) \times 4 =$  \_\_\_\_\_

7.  $9 \times (3 \times 3) =$  \_\_\_\_\_

8.  $5 \times (2 \times 5) =$  \_\_\_\_\_

9.  $2 + 4 + 9 =$  \_\_\_\_\_

10.  $8 + 7 + 2 =$  \_\_\_\_\_

11.  $6 + 3 + 8 =$  \_\_\_\_\_

12.  $5 + 1 + 4 =$  \_\_\_\_\_

13.  $(8 \times 8) \times 2 =$  \_\_\_\_\_

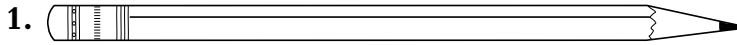
14.  $(4 \times 6) \times 2 =$  \_\_\_\_\_

15.  $5 + 10 + 16 =$  \_\_\_\_\_

16.  $8 + 4 + 5 =$  \_\_\_\_\_

# Length

Estimate the length in centimeters. Then use a ruler to measure to the nearest centimeter.



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

Choose the unit you would use to measure each.

Write *cm*, *m*, or *km*.

4. the length of your little finger

\_\_\_\_\_

5. the distance between 2 towns

\_\_\_\_\_

6. the width of a chalkboard

\_\_\_\_\_

7. the length of your math book

\_\_\_\_\_

8. the length of the Mississippi River

\_\_\_\_\_

9. the distance between your house and your neighbor's house

\_\_\_\_\_

## Mixed Review

10. 
$$\begin{array}{r} \$3.68 \\ - \$1.79 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 752 \\ + 134 \\ \hline \end{array}$$

12.  $54 \div \underline{\hspace{2cm}} = 6$

13.  $8 \times 0 = \underline{\hspace{2cm}}$

14.  $5 \div \underline{\hspace{2cm}} = 5$

15.  $7 \times \underline{\hspace{2cm}} = 56$

Find the pattern and solve.

16. 64, 56, 48, \_\_\_\_\_, 32, \_\_\_\_\_

17. 1, 3, 5, 7, 9, 11, \_\_\_\_\_



## Problem Solving Strategy

### Make a Table

Complete this table.

1.	Meters	1	2	3						
	Centimeters	100	200							

For 2–3, use the completed table above.

2. Gary needs 500 centimeters of space for a bookcase. How many meters of space does he need?  
\_\_\_\_\_
3. Kara needs 9 meters of string. How many centimeters of string does she need?  
\_\_\_\_\_

Jake drew a line that was 3 decimeters long. How many centimeters long was his line?

4. Which table helps solve the problem? \_\_\_\_\_

A

Kilometers	1	2	3
Meters	1,000	2,000	3,000

C

Centimeters	100	200	300
Meters	1	2	3

B

Meters	1	2	3
Decimeters	10	20	30

D

Decimeters	1	2	3
Centimeters	10	20	30

5. What is the solution to the problem? \_\_\_\_\_

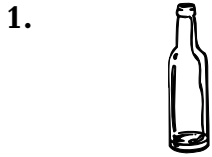
### Mixed Review

Draw the next 3 shapes in the pattern.



## Capacity: Liters and Milliliters

Circle the better estimate.



1 mL or 1 L



4 mL or 4 L



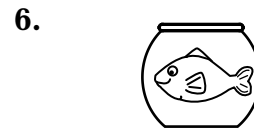
15 mL or 15 L



250 mL or 250 L



2 mL or 2 L



3,000 mL or 3,000 L

Choose the unit you would use to measure each.

Write *mL* or *L*.

7. a mug of hot chocolate

\_\_\_\_\_

8. water in a swimming pool

\_\_\_\_\_

9. a glass of juice

\_\_\_\_\_

10. water for a flower garden

\_\_\_\_\_

11. a can of soup

\_\_\_\_\_

12. 5 pitchers of lemonade

\_\_\_\_\_

### Mixed Review

13.  $59 + 64 + 93 =$  \_\_\_\_\_

14.  $726 - 493 =$  \_\_\_\_\_

Write  $<$ ,  $>$ , or  $=$  in each  $\bigcirc$ .

15.  $7 \times 8 \bigcirc 87 - 31$

16.  $56 \div 7 \bigcirc 3 \times 2$

17.  $40 \div 8 \bigcirc 7$

18.  $9 \times 4 \bigcirc 12 \times 3$

Continue each pattern.

19. 8, 16, 24, 32, \_\_\_\_\_

20. 4, 9, 14, 19, \_\_\_\_\_, \_\_\_\_\_



## Mass: Grams and Kilograms

Circle the better estimate.

1.



6 g or 6 kg

2.



25 g or 25 kg

3.



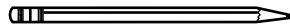
22 g or 22 kg

4.



4 g or 4 kg

5.



6 g or 6 kg

6.



2 g or 2 kg

Choose the tool and unit to measure each.

7. the mass of  
a computer disk

\_\_\_\_\_

8. the length of  
a desk

\_\_\_\_\_

9. the capacity of  
a sink

\_\_\_\_\_

10. the mass of a  
sack of sugar

\_\_\_\_\_

11. the length of  
your hand

\_\_\_\_\_

12. the mass of  
two bricks

\_\_\_\_\_

13. the mass of  
a feather

\_\_\_\_\_

14. the mass of  
an eraser

\_\_\_\_\_

Tools	Units
ruler	cm g
liter container	kg mL
simple balance	L m

### Mixed Review

Solve.

15.  $36 \div \underline{\quad} = 9$

16.  $\underline{\quad} \times 6 = 54$

17.  $4 \times \underline{\quad} = 28$

18.  $\underline{\quad} \div 3 = 4$

19.  $428 - 375 = \underline{\quad}$

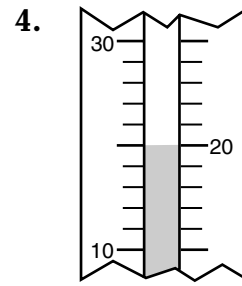
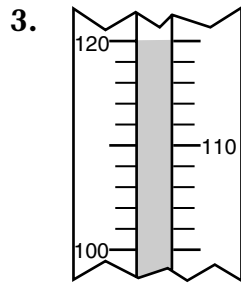
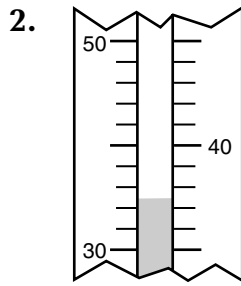
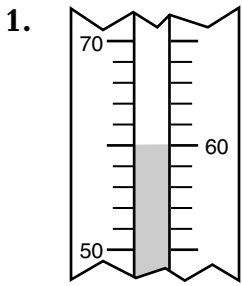
20.  $32 + 69 + 51 = \underline{\quad}$

21.  $8 \times 0 = \underline{\quad}$

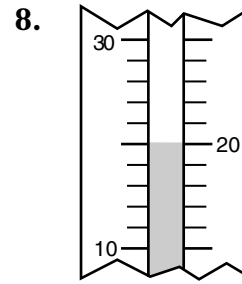
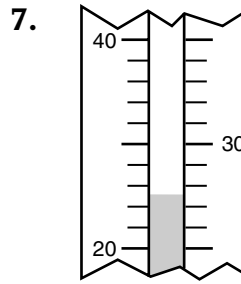
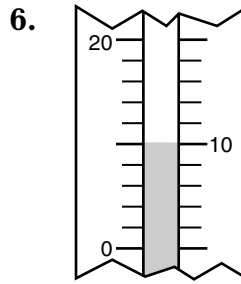
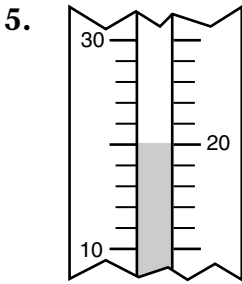
22.  $11 \div 1 = \underline{\quad}$

# Measure Temperature

Write each temperature in °F.



Write each temperature in °C.



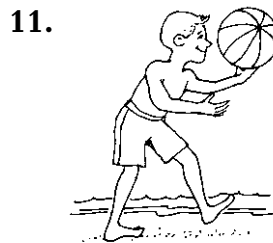
Choose the better estimate.



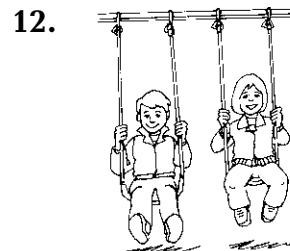
40°C or 0°C



5°C or 90°C



85°F or 32°F



5°F or 65°F

## Mixed Review

Write  $<$ ,  $>$ , or  $=$  in each  $\bigcirc$ .

13.  $84 \div 7 \bigcirc 15$

14.  $34 + 48 \bigcirc 76$

15.  $42 \bigcirc 5 \times 9$

16.  $8 \times 3 \bigcirc 21$



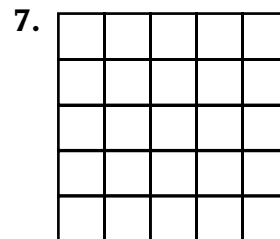
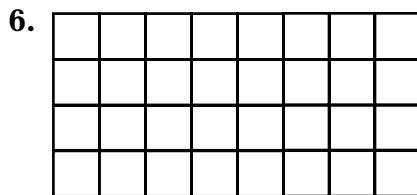
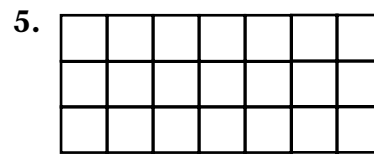
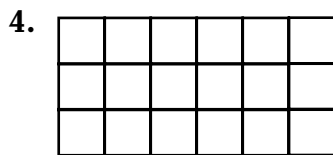
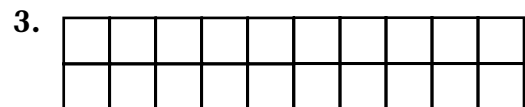
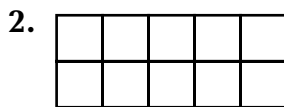
# Perimeter

## Vocabulary

Fill in the blank to complete the sentence.

1. The distance around a figure is its \_\_\_\_\_.
- 

Find the perimeter of each figure.



## Mixed Review

8. 
$$\begin{array}{r} 716 \\ - 304 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 241 \\ + 93 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 876 \\ - 759 \\ \hline \end{array}$$

11.  $8 \overline{)56}$

12.  $9 \overline{)72}$

13.  $8 \overline{)64}$

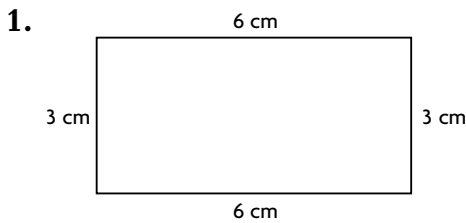
14.  $7 \overline{)28}$

15.  $6 \overline{)42}$

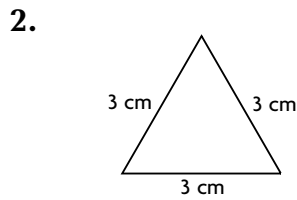
16.  $7 \overline{)35}$

# Estimate and Find Perimeter

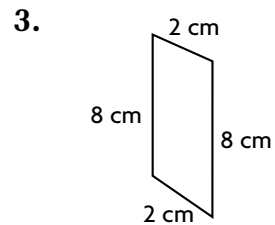
Find the perimeter.



\_\_\_\_\_



\_\_\_\_\_

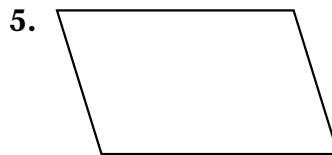


\_\_\_\_\_

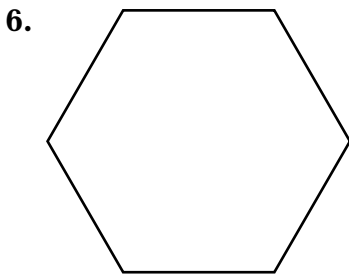
Use your centimeter ruler to find the perimeter.



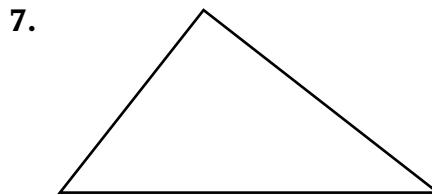
\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



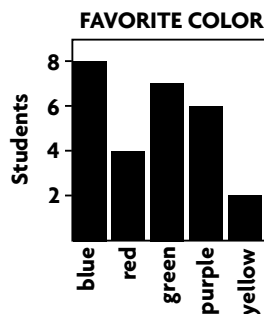
\_\_\_\_\_

## Mixed Review

Use the graph.

8. How many students chose blue as their favorite color?

\_\_\_\_\_



9. How many more students chose green than yellow?

\_\_\_\_\_

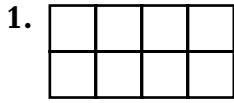
10. How many students voted in all?

\_\_\_\_\_

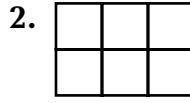


## Area of Plane Figures

Find the area of each rectangle. Write the area in square units.



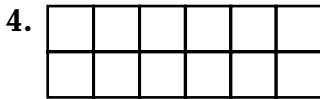
\_\_\_\_\_



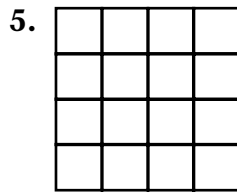
\_\_\_\_\_



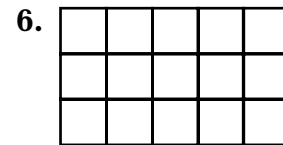
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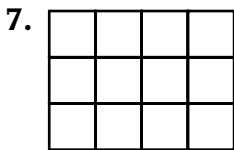
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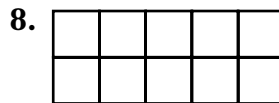
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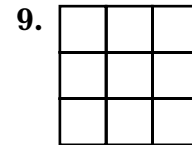
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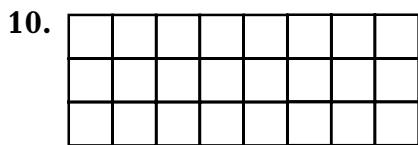
\_\_\_\_\_



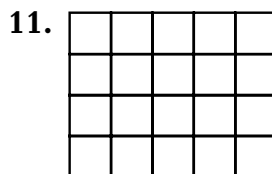
\_\_\_\_\_



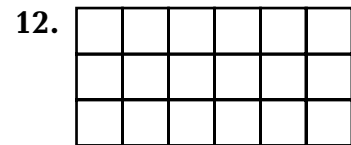
\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

### Mixed Review

Find each missing number.

13.  $4 + \underline{\quad} = 11$

14.  $5 + \underline{\quad} = 8$

15.  $9 + \underline{\quad} = 17$

16.  $2 + \underline{\quad} = 10$

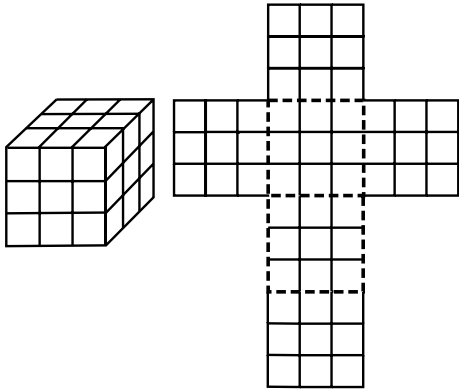
17.  $\underline{\quad} \times 8 = 64$

18.  $\underline{\quad} \times 12 = 48$

# Area of Solid Figures

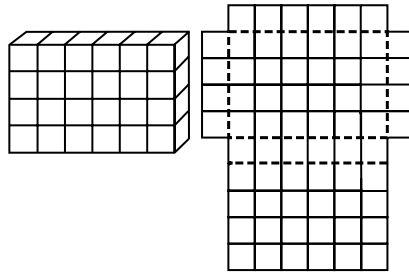
Find the total area that covers each solid figure.

1.



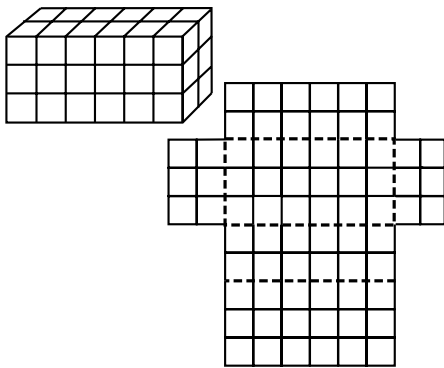
total area: \_\_\_\_\_

2.



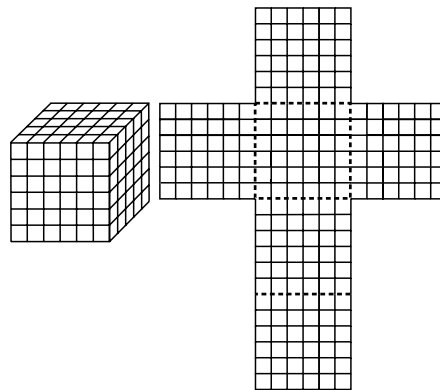
total area: \_\_\_\_\_

3.



total area: \_\_\_\_\_

4.



total area: \_\_\_\_\_

## Mixed Review

Add.

$$\begin{array}{r} 5. \quad \$3.89 \\ + \$5.19 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad \$3.90 \\ + \$6.22 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad \$6.75 \\ + \$3.81 \\ \hline \end{array}$$

Subtract.

$$\begin{array}{r} 8. \quad \$7.20 \\ - \$4.05 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad \$8.00 \\ - \$4.13 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad \$9.91 \\ - \$3.21 \\ \hline \end{array}$$



## Problem Solving Skill

### Make Generalizations

1. A laundry room is shaped like a rectangle. The area of the room is 6 square yards. The perimeter is 10 yards. The room is longer than it is wide. How wide is the room? How long is the room?  
\_\_\_\_\_
2. Mark has a piece of string that is 12 inches long. He shapes the string into a rectangle that encloses an area of 5 square inches. Can Mark enclose a greater area with the same string? If so, what is the area?  
\_\_\_\_\_

3. The perimeter of a table is 24 feet. The table is twice as long as it is wide. What is the table's width? length? area?  
\_\_\_\_\_  
\_\_\_\_\_
4. Mrs. Brown put a wallpaper border around a room that is 10 feet long and 9 feet wide. How long is the wallpaper border? What is the area of the room?  
\_\_\_\_\_

### Mixed Review

Solve.

5. The time shown on Mario's watch is 10:45. He has just finished raking leaves for 30 minutes. Before that, he played basketball for 1 hour. At what time did he start playing basketball?  
\_\_\_\_\_
6. Carrie is swimming in the middle lane of the pool. She waves to her father, who is swimming 3 lanes away, in the end lane. How many lanes does the pool have?  
\_\_\_\_\_

$$\begin{array}{r} 7. \quad 11 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 5 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 7 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 8 \\ \times 3 \\ \hline \end{array}$$

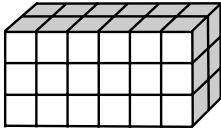
$$\begin{array}{r} 11. \quad 12 \\ \times 6 \\ \hline \end{array}$$



## Estimate and Find Volume

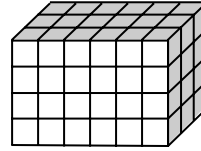
Use cubes to make each solid. Then write the volume in cubic units.

1.



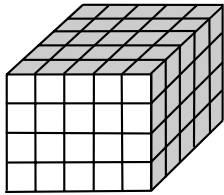
volume: \_\_\_\_\_

2.



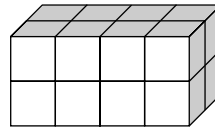
volume: \_\_\_\_\_

3.



volume: \_\_\_\_\_

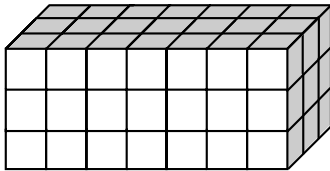
4.



volume: \_\_\_\_\_

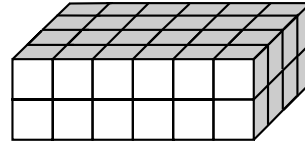
Find the volume of each solid. Write the volume in cubic units.

5.



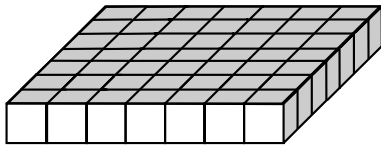
volume: \_\_\_\_\_

6.



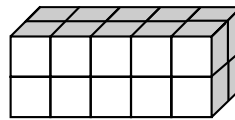
volume: \_\_\_\_\_

7.



volume: \_\_\_\_\_

8.



volume: \_\_\_\_\_

## Mixed Review

Add.

$$\begin{array}{r} 9. \quad 532 \\ + 196 \\ \hline \end{array}$$

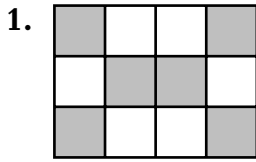
$$\begin{array}{r} 10. \quad 158 \\ + 270 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 851 \\ + 653 \\ \hline \end{array}$$



## Count Parts of a Whole

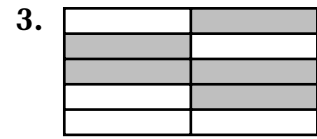
Write a fraction in numbers and words that names the shaded part.



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

Write the fraction, using numbers.

4. three fifths

\_\_\_\_\_

5. six out of eleven

\_\_\_\_\_

6. two divided by three

\_\_\_\_\_

7. one out of six

\_\_\_\_\_

8. nine divided by ten

\_\_\_\_\_

9. seven twelfths

\_\_\_\_\_

Write a fraction to describe each shaded part.



\_\_\_\_\_

## Mixed Review

Find each difference.

11.  $85 - 29 =$  \_\_\_\_\_

12.  $346 - 173 =$  \_\_\_\_\_

13.  $811 - 559 =$  \_\_\_\_\_

14.  $300 - 101 =$  \_\_\_\_\_

15.  $924 - 474 =$  \_\_\_\_\_

16.  $865 - 239 =$  \_\_\_\_\_

Find each product.

17.  $0 \times 1 =$  \_\_\_\_\_

18.  $3 \times 11 =$  \_\_\_\_\_

19.  $10 \times 6 =$  \_\_\_\_\_

20.  $12 \times 2 =$  \_\_\_\_\_

21.  $7 \times 8 =$  \_\_\_\_\_

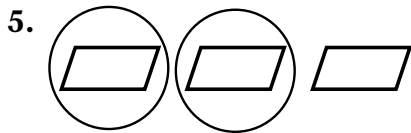
22.  $5 \times 5 =$  \_\_\_\_\_

# Count Parts of a Group

Use a pattern to complete the table.

1.	Model				
2.	Total number of parts	3		3	3
3.	Number of shaded parts		1	2	3
4.	Fraction of shaded parts	$\frac{0}{3}$	$\frac{1}{3}$		$\frac{3}{3}$

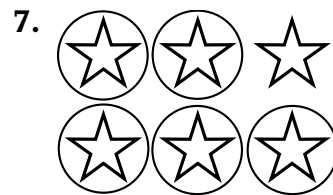
Write the fraction that names the part of each group that is circled.



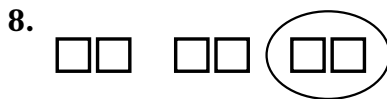
\_\_\_\_\_



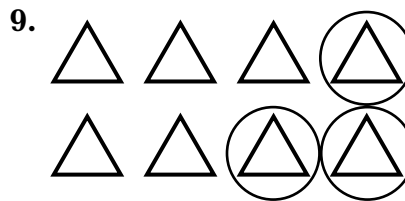
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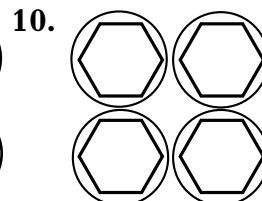
\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

## Mixed Review

Find each quotient.

11.  $6 \div 6 =$  \_\_\_\_\_

12.  $0 \div 9 =$  \_\_\_\_\_

13.  $5 \div 1 =$  \_\_\_\_\_

14.  $16 \div 4 =$  \_\_\_\_\_

15.  $20 \div 1 =$  \_\_\_\_\_

16.  $12 \div 3 =$  \_\_\_\_\_

17.  $28 \div 7 =$  \_\_\_\_\_

18.  $30 \div 3 =$  \_\_\_\_\_

19.  $16 \div 2 =$  \_\_\_\_\_

20.  $64 \div 8 =$  \_\_\_\_\_

21.  $42 \div 7 =$  \_\_\_\_\_

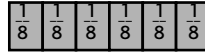
22.  $72 \div 9 =$  \_\_\_\_\_

## Equivalent Fractions

Find an equivalent fraction. Use fraction bars.



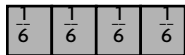
\_\_\_\_\_



\_\_\_\_\_



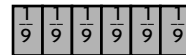
\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

Find the missing numerator. Use fraction bars.

7.  $\frac{1}{3} = \frac{\square}{6}$

8.  $\frac{3}{5} = \frac{\square}{10}$

9.  $\frac{3}{4} = \frac{\square}{8}$

10.  $\frac{1}{10} = \frac{\square}{5}$

11.  $\frac{12}{12} = \frac{\square}{6}$

12.  $\frac{2}{3} = \frac{\square}{12}$

13.  $\frac{6}{8} = \frac{\square}{4}$

14.  $\frac{4}{5} = \frac{\square}{10}$

15.  $\frac{1}{3} = \frac{\square}{9}$

16.  $\frac{4}{8} = \frac{\square}{4}$

17.  $\frac{3}{5} = \frac{\square}{10}$

18.  $\frac{2}{12} = \frac{\square}{6}$

## Mixed Review

Round to the nearest thousand.

19. 554 \_\_\_\_\_ 20. 3,764 \_\_\_\_\_ 21. 7,298 \_\_\_\_\_ 22. 9,099 \_\_\_\_\_

Find the quotient.

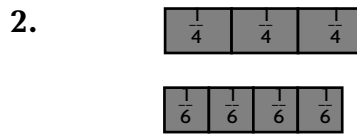
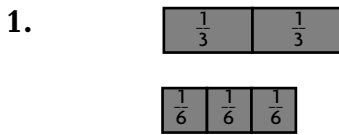
23.  $12 \div 3 = \underline{\quad}$  24.  $16 \div 8 = \underline{\quad}$  25.  $33 \div 3 = \underline{\quad}$  26.  $64 \div 8 = \underline{\quad}$

27.  $63 \div 7 = \underline{\quad}$  28.  $10 \div 1 = \underline{\quad}$  29.  $6 \div 0 = \underline{\quad}$  30.  $25 \div 5 = \underline{\quad}$

31.  $72 \div 8 = \underline{\quad}$  32.  $32 \div 4 = \underline{\quad}$  33.  $45 \div 5 = \underline{\quad}$  34.  $48 \div 6 = \underline{\quad}$

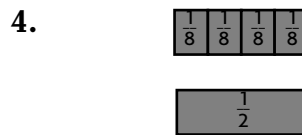
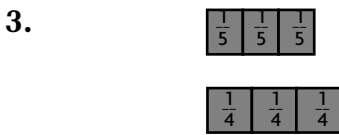
# Compare and Order Fractions

Compare. Write  $<$ ,  $>$ , or  $=$  in each  $\bigcirc$ .



$$\frac{2}{3} \bigcirc \frac{3}{6}$$

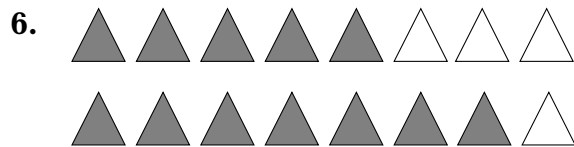
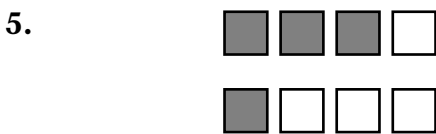
$$\frac{3}{4} \bigcirc \frac{4}{6}$$



$$\frac{3}{5} \bigcirc \frac{3}{4}$$

$$\frac{4}{8} \bigcirc \frac{1}{2}$$

Compare the part of each group that is shaded. Write  $<$  or  $>$  in each  $\bigcirc$ .



$$\frac{3}{4} \bigcirc \frac{1}{4}$$

$$\frac{5}{8} \bigcirc \frac{7}{8}$$

7. Order  $\frac{1}{2}$ ,  $\frac{2}{3}$ , and  $\frac{3}{4}$  from greatest to least.

8. Order  $\frac{1}{8}$ ,  $\frac{1}{3}$ , and  $\frac{3}{6}$  from greatest to least.

## Mixed Review

Compare. Write  $<$ ,  $>$ , or  $=$  in each  $\bigcirc$ .

9.  $472 \bigcirc 619$

10.  $3,009 \bigcirc 2,588$

11.  $820 \bigcirc 820$

Order each set of numbers from least to greatest.

12. 35, 63, 17

13. 200, 199, 205

14. 484, 848, 488



## Problem Solving Strategy

### Make A Model

Use *make a model* to solve.

1. Sean spent  $\frac{2}{10}$  of his allowance on a book and  $\frac{2}{5}$  on a baseball. On which item did he spend more?  
\_\_\_\_\_
2. Alex read  $\frac{3}{8}$  of a book. Joel read  $\frac{1}{2}$  of the same book. Who read more?  
\_\_\_\_\_
3. Mr. Ruiz made a divider for his patio. He used 9 stacks of bricks with 7 bricks in each stack. How many bricks did he use?  
\_\_\_\_\_
4. The border in Shea's room repeats square, triangle, triangle, circle. If one wall has 9 repeats, how many triangles are on that wall?  
\_\_\_\_\_

### Mixed Review

5. Tia, Juan, and Carla are standing in a line. Tia is behind Juan. Carla is in front of Juan. In what order are they standing?  
\_\_\_\_\_
6. There are 67 marbles in a jar. Ed takes out 22 marbles on Monday. On Tuesday, Ed puts 35 marbles into the jar. How many marbles are in the jar now?  
\_\_\_\_\_

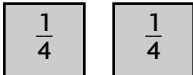
Complete.

7. 3 feet =   ? yard
8. 1 ft =   ? in.
9. 1 gallon =   ? quarts

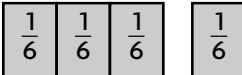
10. 15, 10, 5, \_\_\_\_\_
11. 24, 26, 28, 30, \_\_\_\_\_
12. 17, 20, 23, \_\_\_\_\_

## Add Fractions

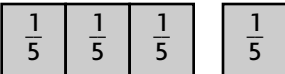
Find the sum.

1. 

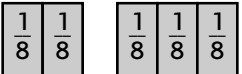
$$\frac{1}{4} + \frac{1}{4} = \underline{\hspace{2cm}}$$

2. 

$$\frac{3}{6} + \frac{1}{6} = \underline{\hspace{2cm}}$$

3. 

$$\frac{3}{5} + \frac{1}{5} = \underline{\hspace{2cm}}$$

4. 

$$\frac{2}{8} + \frac{3}{8} = \underline{\hspace{2cm}}$$

Use fraction bars to find the sum.

5.  $\frac{1}{10} + \frac{2}{10} = \underline{\hspace{2cm}}$

6.  $\frac{4}{10} + \frac{3}{10} = \underline{\hspace{2cm}}$

7.  $\frac{3}{5} + \frac{1}{5} = \underline{\hspace{2cm}}$

8.  $\frac{1}{4} + \frac{3}{4} = \underline{\hspace{2cm}}$

9.  $\frac{2}{5} + \frac{1}{5} = \underline{\hspace{2cm}}$

10.  $\frac{7}{12} + \frac{2}{12} = \underline{\hspace{2cm}}$

11.  $\frac{1}{3} + \frac{1}{3} = \underline{\hspace{2cm}}$

12.  $\frac{3}{8} + \frac{3}{8} = \underline{\hspace{2cm}}$

13.  $\frac{1}{4} + \frac{1}{4} = \underline{\hspace{2cm}}$

14.  $\frac{4}{6} + \frac{1}{6} = \underline{\hspace{2cm}}$

15.  $\frac{3}{8} + \frac{4}{8} = \underline{\hspace{2cm}}$

16.  $\frac{6}{12} + \frac{4}{12} = \underline{\hspace{2cm}}$

## Mixed Review

Add.

17.  $3 + 4 + 5 = \underline{\hspace{2cm}}$

18.  $1 + 1 + 9 = \underline{\hspace{2cm}}$

19.  $5 + 8 + 7 = \underline{\hspace{2cm}}$

Which is greater?

20. 5 feet or 5 inches

21. 2 feet or 2 yards

22. 6 cups or 6 pints

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Compare. Write  $<$ ,  $>$ , or  $=$  in each  $\bigcirc$ .

23.  $\frac{3}{5} \bigcirc \frac{1}{4}$

24.  $\frac{2}{3} \bigcirc \frac{4}{6}$

25.  $\frac{1}{8} \bigcirc \frac{3}{9}$

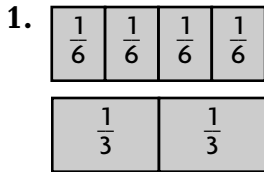
26.  $\frac{5}{7} \bigcirc \frac{6}{7}$

27.  $\frac{1}{2} \bigcirc \frac{1}{8}$

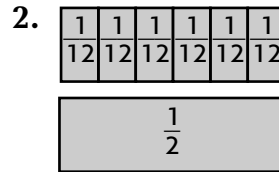
28.  $\frac{2}{5} \bigcirc \frac{3}{4}$

## Add Fractions

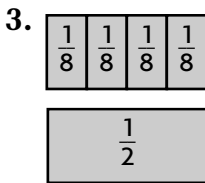
Find the sum. Write the answer in simplest form.



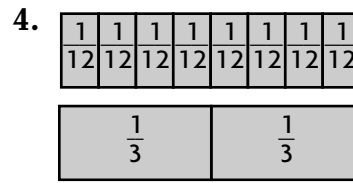
$$\frac{3}{6} + \frac{1}{6} = \underline{\hspace{2cm}}$$



$$\frac{2}{12} + \frac{4}{12} = \underline{\hspace{2cm}}$$



$$\frac{2}{8} + \frac{2}{8} = \underline{\hspace{2cm}}$$



$$\frac{6}{12} + \frac{2}{12} = \underline{\hspace{2cm}}$$

Find the sum. Write the answer in simplest form.

Use fraction bars if you wish.

5.  $\frac{1}{6} + \frac{3}{6} = \underline{\hspace{2cm}}$

6.  $\frac{4}{12} + \frac{3}{12} = \underline{\hspace{2cm}}$

7.  $\frac{3}{8} + \frac{3}{8} = \underline{\hspace{2cm}}$

8.  $\frac{1}{4} + \frac{1}{4} = \underline{\hspace{2cm}}$

9.  $\frac{4}{12} + \frac{4}{12} = \underline{\hspace{2cm}}$

10.  $\frac{1}{2} + \frac{1}{2} = \underline{\hspace{2cm}}$

11.  $\frac{1}{6} + \frac{1}{6} = \underline{\hspace{2cm}}$

12.  $\frac{1}{8} + \frac{1}{8} = \underline{\hspace{2cm}}$

13.  $\frac{1}{12} + \frac{1}{12} = \underline{\hspace{2cm}}$

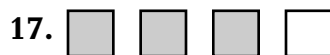
14.  $\frac{1}{10} + \frac{1}{10} = \underline{\hspace{2cm}}$

15.  $\frac{1}{5} + \frac{1}{5} = \underline{\hspace{2cm}}$

16.  $\frac{3}{4} + \frac{1}{4} = \underline{\hspace{2cm}}$

### Mixed Review

Write a fraction to describe the shaded part.



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

Write the quotient.

20.  $30 \div 3 = \underline{\hspace{2cm}}$

21.  $64 \div 8 = \underline{\hspace{2cm}}$

22.  $28 \div 7 = \underline{\hspace{2cm}}$



## Subtract Fractions

Find the difference.

1. 

$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
---------------	---------------	---------------

$$\frac{3}{4} - \frac{2}{4} = \underline{\hspace{2cm}}$$

2. 

$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$
---------------	---------------	---------------	---------------

$$\frac{4}{6} - \frac{1}{6} = \underline{\hspace{2cm}}$$

3. 

$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$
---------------	---------------	---------------	---------------

$$\frac{4}{5} - \frac{3}{5} = \underline{\hspace{2cm}}$$

4. 

$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$
---------------	---------------	---------------	---------------	---------------	---------------	---------------

$$\frac{7}{8} - \frac{2}{8} = \underline{\hspace{2cm}}$$

Use fraction bars to find the difference.

5.  $\frac{6}{10} - \frac{1}{10} = \underline{\hspace{2cm}}$

6.  $\frac{4}{10} - \frac{3}{10} = \underline{\hspace{2cm}}$

7.  $\frac{3}{5} - \frac{1}{5} = \underline{\hspace{2cm}}$

8.  $\frac{5}{8} - \frac{3}{8} = \underline{\hspace{2cm}}$

9.  $\frac{4}{5} - \frac{2}{5} = \underline{\hspace{2cm}}$

10.  $\frac{7}{12} - \frac{2}{12} = \underline{\hspace{2cm}}$

11.  $\frac{2}{3} - \frac{1}{3} = \underline{\hspace{2cm}}$

12.  $\frac{8}{8} - \frac{3}{8} = \underline{\hspace{2cm}}$

13.  $\frac{3}{4} - \frac{2}{4} = \underline{\hspace{2cm}}$

14.  $\frac{4}{6} - \frac{1}{6} = \underline{\hspace{2cm}}$

15.  $\frac{11}{12} - \frac{4}{12} = \underline{\hspace{2cm}}$

16.  $\frac{5}{6} - \frac{4}{6} = \underline{\hspace{2cm}}$

## Mixed Review

Solve.

17.  $5 + (4 - 1) = \underline{\hspace{2cm}}$

18.  $(1 - 1) + 9 = \underline{\hspace{2cm}}$

19.  $8 - (7 - 5) = \underline{\hspace{2cm}}$

20. 
$$\begin{array}{r} 712 \\ - 558 \\ \hline \end{array}$$

21. 
$$\begin{array}{r} 450 \\ + 388 \\ \hline \end{array}$$

22. 
$$\begin{array}{r} 917 \\ - 652 \\ \hline \end{array}$$

Write the place value of the 2 in each number.

23. 23,957

24. 43,289

25. 808,072

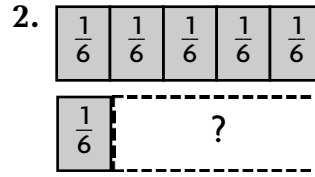


## Subtract Fractions

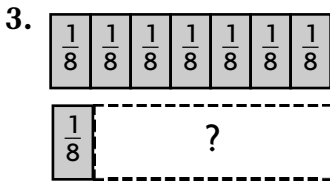
Compare. Use fraction bars to find the difference. Write the answer in simplest form.



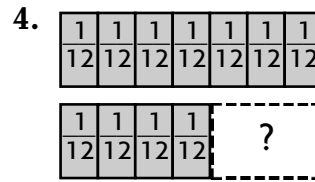
$$\frac{4}{4} - \frac{2}{4} = \underline{\hspace{2cm}}$$



$$\frac{5}{6} - \frac{1}{6} = \underline{\hspace{2cm}}$$



$$\frac{7}{8} - \frac{1}{8} = \underline{\hspace{2cm}}$$



$$\frac{7}{12} - \frac{4}{12} = \underline{\hspace{2cm}}$$

Find the difference. Write the answer in simplest form.  
Use fraction bars.

5.  $\frac{6}{8} - \frac{2}{8} = \underline{\hspace{2cm}}$

6.  $\frac{4}{10} - \frac{2}{10} = \underline{\hspace{2cm}}$

7.  $\frac{4}{5} - \frac{1}{5} = \underline{\hspace{2cm}}$

8.  $\frac{5}{8} - \frac{3}{8} = \underline{\hspace{2cm}}$

9.  $\frac{4}{6} - \frac{2}{6} = \underline{\hspace{2cm}}$

10.  $\frac{7}{12} - \frac{2}{12} = \underline{\hspace{2cm}}$

11.  $\frac{5}{6} - \frac{1}{6} = \underline{\hspace{2cm}}$

12.  $\frac{8}{8} - \frac{2}{8} = \underline{\hspace{2cm}}$

13.  $\frac{6}{10} - \frac{2}{10} = \underline{\hspace{2cm}}$

14.  $\frac{9}{10} - \frac{1}{10} = \underline{\hspace{2cm}}$

15.  $\frac{11}{12} - \frac{2}{12} = \underline{\hspace{2cm}}$

16.  $\frac{3}{4} - \frac{1}{4} = \underline{\hspace{2cm}}$

### Mixed Review

Add.

17.  $\frac{1}{4} + \frac{1}{4} = \underline{\hspace{2cm}}$

18.  $\frac{1}{5} + \frac{3}{5} = \underline{\hspace{2cm}}$

19.  $\frac{1}{6} + \frac{4}{6} = \underline{\hspace{2cm}}$

Complete.

20.  $4 \times \underline{\hspace{1cm}} \times 3 = 12$

21.  $5 \times \underline{\hspace{1cm}} \times 8 = 0$

22.  $\underline{\hspace{1cm}} \times 8 \times 6 = 48$

## Problem Solving Skill

### Reasonable Answers

Solve. Tell how you know your answer is reasonable.

1. A table seats 10 people. Of the people sitting at the table,  $\frac{4}{10}$  are girls,  $\frac{4}{10}$  are boys, and the rest are adults. What part of the table is occupied by adults?
2. Benjamin opened a package of crackers. He ate  $\frac{3}{8}$  of the crackers. Then Terry ate  $\frac{2}{8}$  of the crackers. What part of the crackers were left?

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3. Janet colored  $\frac{7}{12}$  of her picture red and  $\frac{3}{12}$  of her picture green. The rest of the picture was left uncolored. What part of her picture was left uncolored?
4. Michael opened a package of wrapping paper. He used  $\frac{1}{4}$  of the paper to wrap a present and  $\frac{1}{4}$  of the paper to decorate a box. How much of the paper was left?

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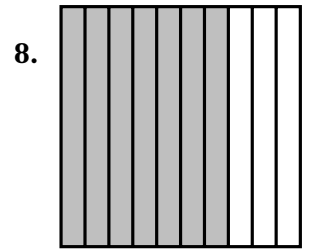
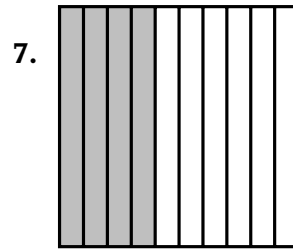
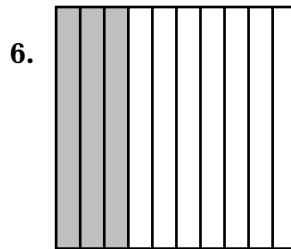
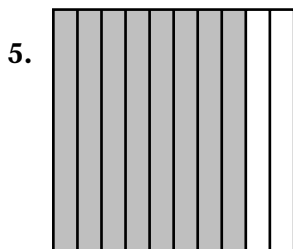
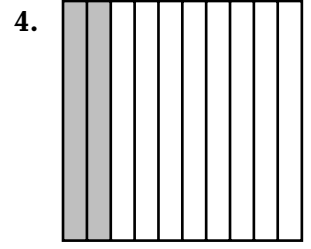
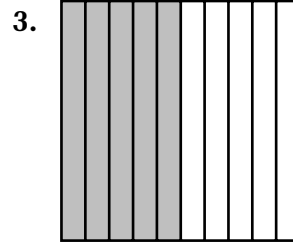
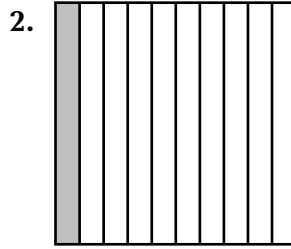
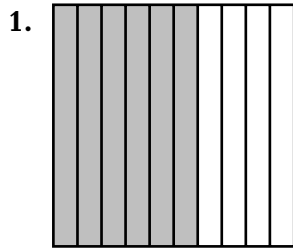
### Mixed Review

Solve.

5.  $19 - 15 = \underline{\quad}$       6.  $72 \div 9 = \underline{\quad}$       7.  $39 - 27 = \underline{\quad}$

## Relate Fractions and Decimals

Write the fraction and decimal for the shaded part.



## Mixed Review

Find the quotient.

9.  $12 \div 2 = \underline{\quad}$

10.  $16 \div 8 = \underline{\quad}$

11.  $9 \div 3 = \underline{\quad}$

12.  $63 \div 9 = \underline{\quad}$

13.  $50 \div 10 = \underline{\quad}$

14.  $56 \div 7 = \underline{\quad}$

15.  $35 \div 5 = \underline{\quad}$

16.  $24 \div 4 = \underline{\quad}$

17.  $36 \div 4 = \underline{\quad}$

Solve.

18. 
$$\begin{array}{r} 484 \\ -232 \\ \hline \end{array}$$

19. 
$$\begin{array}{r} 795 \\ +496 \\ \hline \end{array}$$

20. 
$$\begin{array}{r} 734 \\ -207 \\ \hline \end{array}$$

21. 
$$\begin{array}{r} 225 \\ +118 \\ \hline \end{array}$$

22. 
$$\begin{array}{r} 8,128 \\ -2,716 \\ \hline \end{array}$$

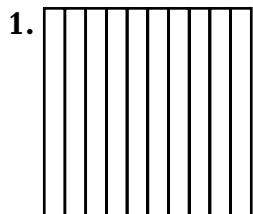
23. 
$$\begin{array}{r} 4,030 \\ +1,812 \\ \hline \end{array}$$

24. 
$$\begin{array}{r} 9,235 \\ -2,122 \\ \hline \end{array}$$

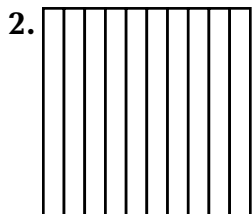
25. 
$$\begin{array}{r} 5,687 \\ +3,401 \\ \hline \end{array}$$

## Tenths

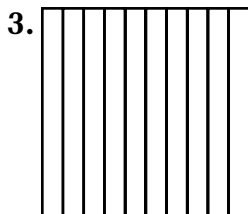
Use the decimal models to show each amount. Then write the decimal.



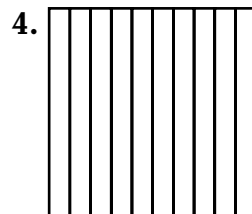
$$\frac{2}{10} \text{ _____}$$



$$\frac{9}{10} \text{ _____}$$



$$\frac{3}{10} \text{ _____}$$



$$\frac{1}{10} \text{ _____}$$

Write each fraction or mixed number as a decimal.

5.  $\frac{4}{10}$  \_\_\_\_\_    6.  $\frac{2}{10}$  \_\_\_\_\_    7.  $\frac{1}{10}$  \_\_\_\_\_    8.  $\frac{9}{10}$  \_\_\_\_\_    9.  $1\frac{7}{10}$  \_\_\_\_\_

Write each decimal as a fraction or mixed number.

10. 0.5 \_\_\_\_\_    11. 0.3 \_\_\_\_\_    12. 1.8 \_\_\_\_\_    13. 0.6 \_\_\_\_\_    14. 0.9 \_\_\_\_\_

### Mixed Review

Compare. Write  $<$ ,  $>$ , or  $=$  for each  $\bigcirc$ .

15.  $4 \times 7 \bigcirc 5 \times 5$

16.  $3 \times 6 \bigcirc 9 \times 2$

17.  $33 \bigcirc 4 \times 8$

18.  $7 \times 1 \bigcirc 14 \times 0$

19.  $11 \times 4 \bigcirc 47$

20.  $10 \times 2 \bigcirc 5 \times 4$

Write each number in expanded form.

21. 32,594 \_\_\_\_\_

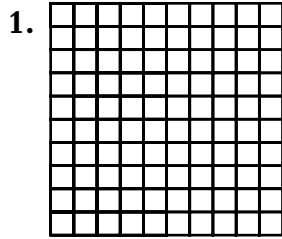
22. 6,720 \_\_\_\_\_

23. 40,897 \_\_\_\_\_

24. 75,912 \_\_\_\_\_

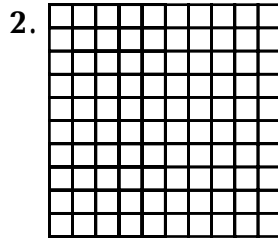
## Hundredths

Use the decimal models to show each amount. Then write the decimal.



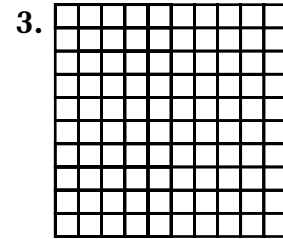
seven hundredths

\_\_\_\_\_



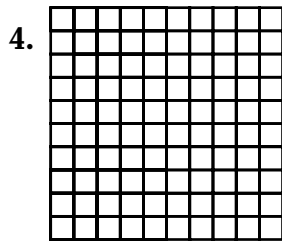
nine hundredths

\_\_\_\_\_



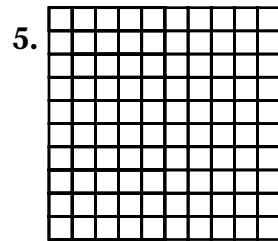
twenty hundredths

\_\_\_\_\_



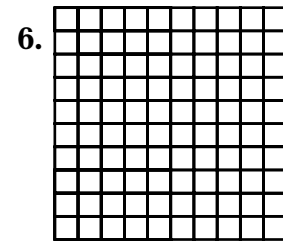
twenty-five hundredths

\_\_\_\_\_



forty-nine hundredths

\_\_\_\_\_



seventy-two hundredths

\_\_\_\_\_

Write each fraction or mixed number as a decimal.

7.  $1\frac{25}{100}$  \_\_\_\_\_

8.  $\frac{50}{100}$  \_\_\_\_\_

9.  $\frac{85}{100}$  \_\_\_\_\_

10.  $\frac{3}{100}$  \_\_\_\_\_

Write each decimal as a fraction or mixed number.

11. 0.06 \_\_\_\_\_

12. 0.74 \_\_\_\_\_

13. 1.12 \_\_\_\_\_

14. 0.01 \_\_\_\_\_

### Mixed Review

15.  $5,591 + 332 =$  \_\_\_\_\_

16.  $654 + 1,987 =$  \_\_\_\_\_

17.  $3,069 + 451 =$  \_\_\_\_\_

18.  $674 - 91 =$  \_\_\_\_\_

19.  $274 - 115 =$  \_\_\_\_\_

20.  $953 - 608 =$  \_\_\_\_\_

21.  $4,124 - 1,325 =$  \_\_\_\_\_

22.  $7,833 + 1,049 =$  \_\_\_\_\_

## Read and Write Decimals

Write the word form and expanded form for each decimal.

1.

Ones	•	Tenths	Hundredths
0	•	2	7

\_\_\_\_\_

\_\_\_\_\_

2.

Ones	•	Tenths	Hundredths
0	•	9	1

\_\_\_\_\_

\_\_\_\_\_

3.

Ones	•	Tenths	Hundredths
0	•	4	5

\_\_\_\_\_

\_\_\_\_\_

4.

Ones	•	Tenths	Hundredths
0	•	6	8

\_\_\_\_\_

\_\_\_\_\_

Write *tenths* or *hundredths*.

5.  $0.36 = 3$  tenths  $6$  \_\_\_\_\_

6.  $0.79 = 7$  \_\_\_\_\_  $9$  hundredths

Write the missing number.

7.  $0.36 = 3$  tenths \_\_\_\_\_ hundredths

8.  $0.79 =$  \_\_\_\_\_ tenths  $9$  hundredths

### Mixed Review

Find the product.

9.  $4 \times 5 =$  \_\_\_\_\_

10.  $7 \times 9 =$  \_\_\_\_\_

11.  $6 \times 7 =$  \_\_\_\_\_

12. \_\_\_\_\_  $= 6 \times 6$

13.  $5 \times 8 =$  \_\_\_\_\_

14. \_\_\_\_\_  $= 9 \times 3$

15. Kristi drinks 3 glasses of milk each day. How many glasses of milk does she drink in one week?

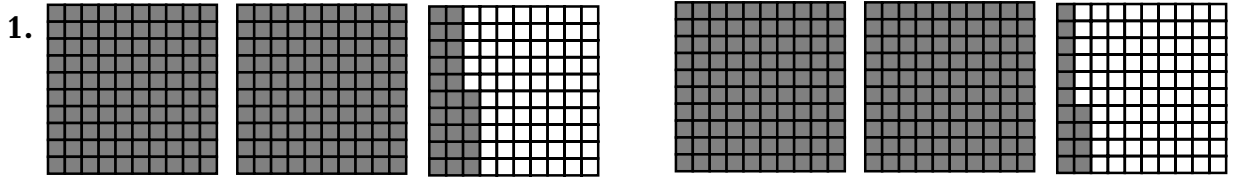
\_\_\_\_\_

16. A bus can seat 25 passengers. How many passengers can ride on 2 buses?

\_\_\_\_\_

# Compare and Order Decimals

Compare. Write  $<$  or  $>$  for each  $\bigcirc$ .



2.25  $\bigcirc$  2.14

2.

Ones	•	Tenths	Hundredths
8	•	5	6
6	•	9	5

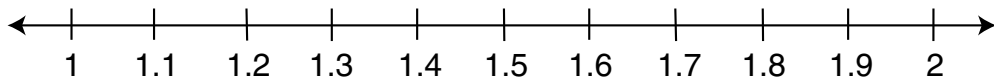
3.

Ones	•	Tenths	Hundredths
4	•	7	2
6	•	0	1

8.56  $\bigcirc$  6.95

4.72  $\bigcirc$  6.01

Use the number line to order the decimals from least to greatest.



4. 1.6, 1.1, 1.9

\_\_\_\_\_

5. 1, 1.6, 1.1

\_\_\_\_\_

6. 1.3, 2.0, 1.6

\_\_\_\_\_

7. 1.9, 1, 2.0

\_\_\_\_\_

## Mixed Review

Add.

8.  $\frac{1}{2} + \frac{1}{2} =$  \_\_\_\_\_

9.  $\frac{1}{4} + \frac{1}{4} =$  \_\_\_\_\_

10.  $\frac{2}{8} + \frac{3}{8} =$  \_\_\_\_\_

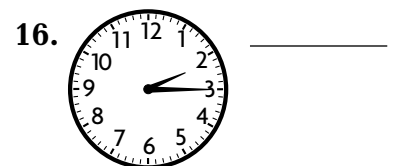
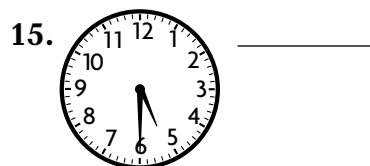
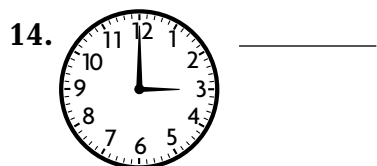
Subtract. Write the answer in simplest form.

11.  $\frac{8}{10} - \frac{5}{10} =$  \_\_\_\_\_

12.  $\frac{9}{12} - \frac{8}{12} =$  \_\_\_\_\_

13.  $\frac{5}{6} - \frac{3}{6} =$  \_\_\_\_\_

Tell the time 3 hours after the time on each clock.



## Problem Solving Skill

### Reasonable Answers

Solve.

- Richard bought a package of ground meat. It weighed a pound. Richard used  $\frac{2}{3}$  pound to make dinner. He said he still has about  $\frac{1}{2}$  pound left. Is his estimate reasonable? Explain.
- Cindy said that  $\frac{1}{2}$  of her crayons are red,  $\frac{1}{2}$  of her crayons are orange, and the other  $\frac{1}{2}$  of her crayons are yellow. Is this a reasonable description of Cindy's crayons? Explain.

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- Brady wanted to buy a pen that costs \$1.24 and a pencil that costs \$0.35. The clerk said the total was \$2.59. Is this possible? Explain.
- Lisa had 1.5 liters of juice to serve for breakfast. After her family ate, she said she had about 0.5 liter left. Is her estimate reasonable? Explain.

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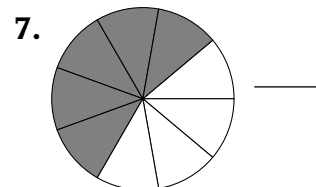
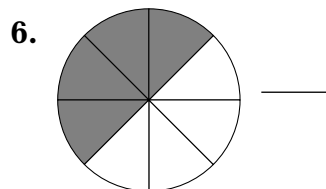
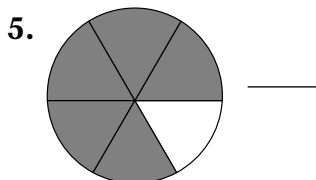
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### Mixed Review

Write the fraction that names the shaded part.





# Relate Fractions and Money

Write the amount of money shown. Then write the amount as a fraction of a dollar.



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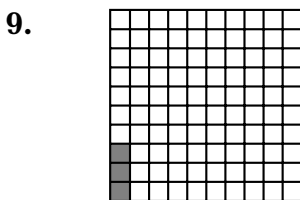
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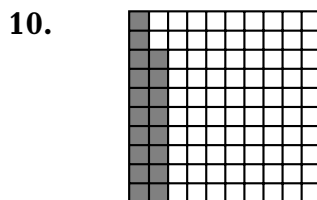
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## Mixed Review

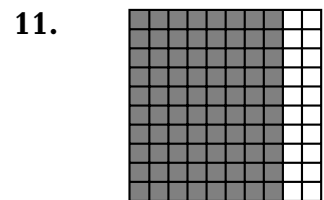
Write a decimal to show what part of each decimal square is shaded.



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\_\_\_\_\_



\_\_\_\_\_

Find the quotient.

12.  $54 \div 9 =$  \_\_\_\_\_

13.  $50 \div 5 =$  \_\_\_\_\_

14.  $20 \div 5 =$  \_\_\_\_\_

## Relate Decimals and Money

Write the money amount for each fraction of a dollar.

1.  $\frac{20}{100}$  \_\_\_\_\_      2.  $\frac{62}{100}$  \_\_\_\_\_      3.  $\frac{25}{100}$  \_\_\_\_\_      4.  $\frac{78}{100}$  \_\_\_\_\_

5.  $\frac{55}{100}$  \_\_\_\_\_      6.  $\frac{50}{100}$  \_\_\_\_\_      7.  $\frac{15}{100}$  \_\_\_\_\_      8.  $\frac{9}{100}$  \_\_\_\_\_

Write the money amount.

9. 32 hundredths of a dollar  
\_\_\_\_\_
10. 9 hundredths of a dollar  
\_\_\_\_\_
11. 48 hundredths of a dollar  
\_\_\_\_\_

12. 99 hundredths of a dollar  
\_\_\_\_\_
13. 61 hundredths of a dollar  
\_\_\_\_\_
14. 5 hundredths of a dollar  
\_\_\_\_\_

Write the missing numbers. Use the fewest coins possible.

15. \$0.36 = \_\_\_\_\_ dimes \_\_\_\_\_ pennies

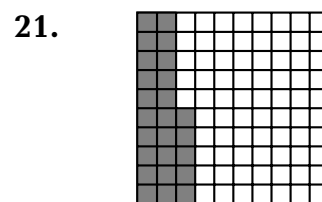
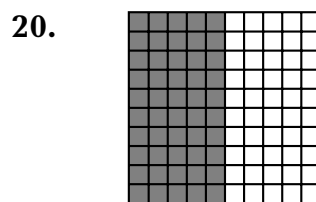
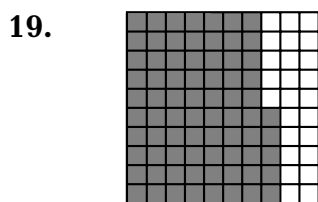
16. \$0.05 = \_\_\_\_\_ dimes \_\_\_\_\_ pennies

17. \$0.64 = \_\_\_\_\_ dimes \_\_\_\_\_ pennies

18. \$0.14 = \_\_\_\_\_ dimes \_\_\_\_\_ pennies

### Mixed Review

Write a fraction to show what part of each decimal model is shaded.



## Add and Subtract Decimals and Money

Add or subtract.

$$\begin{array}{r} 1. \quad 0.27 \\ + 0.39 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 0.70 \\ - 0.16 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 0.88 \\ - 0.29 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 0.26 \\ + 0.35 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 0.47 \\ + 0.26 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 0.99 \\ - 0.37 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 0.31 \\ + 0.47 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 0.78 \\ - 0.46 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad \$0.98 \\ - \$0.50 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad \$0.58 \\ + \$0.21 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 0.81 \\ - 0.49 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 0.73 \\ + 0.12 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 1.00 \\ - 0.99 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 0.34 \\ + 0.56 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 0.89 \\ - 0.49 \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad 4.5 \\ + 3.6 \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad \$2.13 \\ + \$0.39 \\ \hline \end{array}$$

$$\begin{array}{r} 18. \quad \$4.89 \\ - \$2.37 \\ \hline \end{array}$$

$$\begin{array}{r} 19. \quad 0.18 \\ + 1.56 \\ \hline \end{array}$$

$$\begin{array}{r} 20. \quad 8.6 \\ - 3.9 \\ \hline \end{array}$$

### Mixed Review

Add or subtract.

$$\begin{array}{r} 21. \quad 243 \\ \quad 45 \\ + 82 \\ \hline \end{array}$$

$$\begin{array}{r} 22. \quad 116 \\ \quad 267 \\ + 96 \\ \hline \end{array}$$

$$\begin{array}{r} 23. \quad 89 \\ \quad 74 \\ + 96 \\ \hline \end{array}$$

$$\begin{array}{r} 24. \quad 741 \\ \quad 249 \\ + 331 \\ \hline \end{array}$$

$$\begin{array}{r} 25. \quad 99 \\ - 55 \\ \hline \end{array}$$

$$\begin{array}{r} 26. \quad 96 \\ - 83 \\ \hline \end{array}$$

$$\begin{array}{r} 27. \quad 81 \\ - 49 \\ \hline \end{array}$$

$$\begin{array}{r} 28. \quad 78 \\ - 45 \\ \hline \end{array}$$

# Problem Solving Strategy

## Break Problems into Simpler Parts

Use the prices in the chart below. Break the problem into simpler parts to solve.

1. Pam has \$4. If she buys 1 box of crayons and 3 tubes of paint, how much money will she have left?

crayons	\$0.39 per box
markers	\$0.75 per box
paints	\$0.85 per tube
brush	\$0.28

\_\_\_\_\_

2. Stephano has \$3. If he buys one of everything on the price list, how much money will he have left?

\_\_\_\_\_

3. Daniel has \$6. If he buys 3 tubes of paints and 3 brushes, how much money will he have left?

\_\_\_\_\_

## Mixed Review

Write the amount of money shown. Then write the amount as a fraction of a dollar.



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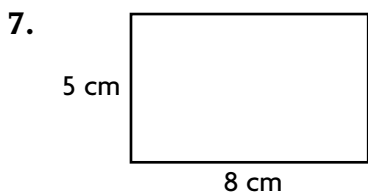


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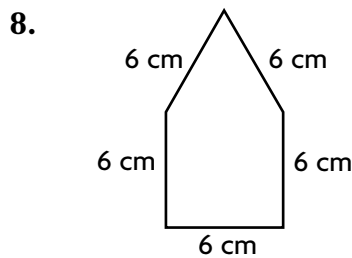


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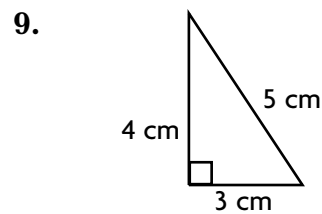
Find the perimeter of each figure.



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\_\_\_\_\_



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