CCSS	PASS Standard	Question Numbers	Mastered?
OA.3.i	1.1 Algebra Patterns	1 2 3 4	
OA.2	1.2 Equations	5 6 7	
NBT.2.1	1.3 Number Patterns	8 9 10	
OA.1			
NBT.1-3	2.1 Number Sense	11 12 13 14 15 16 17 18	
MD.2			
NF.3-4,7a	2.2 Number Operations	10 20 21 22 23 24 25 26	
ND1.5-7			
NF 1-2	3 1 Polygons	32 33 34	
		02 00 04	
G.3-4			
	3.2 Angles	35 36	
G.1-2	N/A Coordinate	37 38	
	Systems		
MD.1-4	4.1 Measurement	39 40 41 42 43 44	
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	5.1 Data Analysis	46 47 48	
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	5.3 Central Tendency	50	
			Score:
	Total Test:	of 50	

PASS Standard 1.1

1) If Lamar follows the pattern below, how many tiles will he need for his seventh figure?



- A 12 tiles
- **B** 16 tiles
- C 32 tiles
- D 64 tiles

2) Look at the diagram below.



What values fill the blank boxes?

A A = 0.58, B = 0.59, C = 0.80 **B** A = 0.58, B = 0.68, C = 0.89 **C** A = 0.58, B = 0.59, C = 0.89**D** A = 0.68, B = 0.69, C = 0.80

3)

-,			
who	DAY	MORNING (m)	AFTERNOON (a)
in	Monday	24	37
	Tuesday	30	43
thia	Wednesday	35	48
unis	Thursday	29	42
	Friday	48	61
	1	1	

Kurt recorded the number of students attended the Tulsa Zoo the morning and afternoon hours. The results are shown in table.

Which equation <u>best describes</u> the number of students who attended in the morning (m) compared to the number of students who attended in the afternoon (a)?

- A m + 12 = a
 B a + 12 = m
 C m + 13 = a
 D a + 13 = m
- 4) If *n* is the input number, which expression could be used to find the value of the output shown in this table?

Input (n)	1	2	3	4	5
Output	3	5	7	9	11

A 2n + 1

- **B** 3n
- **C** 4n 1
- **D** n + 2

PASS Standard 1.2

5) Randi solved this equation in one step to find the solution for x.

37 + x = 66

- A Subtract 37 from the left side of the equation and subtract 37 from the right side of the equation
- **B** Add 37 to the left side of the equation and subtract 37 from the right side of the equation
- **C** Subtract 37 from the left side of the equation and add 37 to the right side of the equation
- **D** Add 37 to the left side of the equation and add 37 to the right side of the equation

What is the value of X? _____

6) For every 9 calendars that Koji sells, he receives a movie gift certificate. Which equation can be used to find how many gift certificates Koji will receive if he sells 65 calendars?

Α	65 x <i>n</i> = 9	С	65 x 9 = <i>n</i>
в	9 ÷ <i>n</i> = 65	D	65 ÷ 9 = <i>n</i>

The scale shown is balanced.



Which sentence must be true?



8) Which expression shows how you can evaluate 7 x 63 using the distributive

property?

A (7 x 6) + (7 x 3) **B** (7 x 63) x (7 x 3) **C** (7 x 60) + (7 x 30) **D** (7 x 60) + (7 x 3)

9) Which of these is equivalent to the expression shown below?

4(x+3) **A** 4x + 3

- **B** 4x + 4
- **C** 4x + 7
- **D** 4x + 12
- 10) Which equation demonstrates the commutative property of multiplication?
 - **A** x(1/x) = 1
 - **B** (6f)3 = 3(6f)
 - **C** $3(4m \times 5) = 12m \times 15$
 - **D** 12(2n) = (12n)2

PASS Standard 2.1

- 11) A National Park in Montana has forty-three thousand, two-hundred twenty-nine and fifty-eight hundredths acres of forest. Which shows the amount of acres of forest in standard form?
 - **A** 43,229.58
 - **B** 43,229.058
 - **C** 43,229,058
 - **D** 43,229.508

12) Which decimal number represents this thousandths cube?



- A 0.0973
- B 0.973
- C 9.73

Which shows the following values greatest to least?

1/4; 0.75; 1/3; 0.5

- **A** 0.75; 1/4; 0.5; 1/3
- **B** 1/4; 1/3; 0.5; 0.75
- **C** 1/4; 0.5; 1/3; 0.75
- **D** 0.75; 0.5; 1/3; 1/4
- 14. Which decimal number best represents the shaded part of this picture?



- A 0.3
- **B** 0.34
- C 0.6
- **D** 0.75
- 15) The average daily temperatures in July of some cities in Texas are shown in the table. Which of the following lists the cities from greatest temperature to least temperature?

City	Average Daily Temperature
Austin	84.52°F
Dallas	85.9°F
San Antonio	85°F
Fort Worth	85.31°F

- A Dallas, Fort Worth, San Antonio, Austin
- B Austin, Dallas, San Antonio, Fort Worth
- C Austin, San Antonio, Fort Worth, Dallas
- D Dallas, San Antonio, Fort Worth, Austin

Midday Temperatures		
Day Temperature (degrees F)		
Monday	7	
Tuesday	-2	
Wednesday	-1	
Thursday	4	
Friday	0	

Which lists the weekdays in order from the day with the <u>lowest</u> midday temperature

to the day with the <u>highest</u> midday temperature?

- A Friday, Wednesday, Tuesday, Thursday, Monday
- B Tuesday, Wednesday, Friday, Thursday, Monday
- C Friday, Tuesday, Wednesday, Thursday, Monday
- D Tuesday, Friday, Wednesday, Thursday, Monday
- 17) Thomas made a drawing of his yard on a grid. The shaded squares represent the area for the garden.

	Flowers
Tree	
	Patio
0	
Garden	
	Tree

Thomas's Yard

Which decimal number is equivalent to the fractional part of Thomas' yard that will become the garden?

- **A** 0.015
- **B** 0.15
- **C** 1.50
- **D** 15.00

last

Which 10×10 grid is shaded to represent the decimal number that, when added to 0.65, results in a total of 1.00?



PASS Standard 2.2

- 19) Maggie had a bag of peanuts that weighed 2.84 pounds. She took some of the peanuts out of the bag. The bag then weighed 1.24 pounds. What was the weight of the peanuts that Maggie took out of the bag?
 - A 4.08 pounds
 - B 3.60 pounds
 - **C** 1.60 pounds
 - D 1.06 pounds

20) In a relay race, Mia ran 1.43 kilometers. Then she passed the baton to Gerald, who ran an additional 2.7 kilometers. How many kilometers did they run in all?

- A 4.13 kilometers
- **B** 3.36 kilometers
- C 3.50 kilometers
- D 1.70 kilometers

puzzle and Miranda has completed 1/3 of it. What fraction represents how much <u>more</u> of the puzzle Jenny has completed than Miranda?

A $\frac{1}{6}$ **B** 24 **C** 5 <u>25</u>

- **D** 24
- 22) Hanna jogged 1 ³/₄ miles (mi) on Saturday and 3 miles on Sunday. What is the difference between these two distances?
 - **A** 1 ¼ mi
 - **B** 2 ¼ mi
 - **C** 2 ³⁄₄ mi
 - **D** 4 ³⁄₄ mi
- 23) Solve the expression.
 - 1 1/2 + 2 1/4 1/5 = ?
 - **A** 3 9/20
 - **B** 3 11/20
 - **C** 3 1/5
 - **D** 3 ½

24)

The table shows the amount of popcorn four students shared at the movies.

Popcorn Shared		
Student Amount of Popcorr (ounces)		
Denise	$1\frac{3}{4}$	
Juan	5 10	
Nikita	112	
Walter	18/10	

What was the total amount of popcorn shared?

$$B = 5\frac{1}{20}$$
 ounces

25) This line plot shows the heights of bean plants in a garden after 3 weeks.



What is the total height, in inches, of all the bean plants that are taller than 1 inch?

26) Solve the multiplication problem in two different ways.



- 27) McKinley Elementary school is going on a field trip. All 14 classes with 421 students are going. Each bus can hold 28 students. How many buses will the school need to take for the field trip to ensure that ALL students can go?
 - **A** 14
 - **B** 15
 - **C** 16
 - **D** 17
- 28) Decide if the value of the expression is less than, equal to, or greater than 15.

Less than 15	Equal to 15	Greater than 15
$2 \times \frac{1}{2} \times (5 \times 3)$	(5 × 3) ÷ 5	$\frac{1}{4} \times (5 \times 3)$
1 × (5 × 3)	2 × (5 × 3)	

29) Place each measurement into each column of the table with an equivalent measure. Some of the measurement may not have an equivalent measure.

1 Mete	r	1 Centime	ter 1	Millimeter

30) Find two fractions that can be added using the denominator of 24.



- 31) A baker used 12 cups of batter to make muffins. It took 2/3 cup of batter to make 1 muffin. How many muffins did the baker make?
 - A. 6 muffins
 - B. 8 muffins
 - C. 18 muffins
 - D. 36 muffins

PASS Standard 3.1

32) Which parallelogram is congruent to parallelogram JKLM?





33) Identify the figures that are similar but not congruent.



- **B)** Figure 1 and Figure 4
- C) Figure 2 and Figure 3
- D) Figure 3 and Figure 4

34) Which shows a line of symmetry?





D

PASS Standard 3.2

- 35) Ray NM is shown.
 - A. Angle *MNP* measures 45°. Draw a ray *NP* and label point *P*.
 - B. Angle *PNR* measures 60°. Draw a ray *NR* and label point *R*.
 - C. What is the measure of the angle MNR.



36) Which shape has more obtuse angles than acute angles?



Coordinate Systems



Look at triangle ABC.



What are the coordinates of points A, B, and C?

- A (2, 7), B (4, 3), C (5, 6)
- A (2, 7), B (5, 6), C (4, 3)
- A (7, 2), B (3, 4), C (6, 5)
- A (7, 2), B (4, 3), C (5, 6)

38) Draw a rectangle with an area of 1575 square units and a side of 45 units.



PASS Standard 4.1

39) Demario puts 1050 cubic inches of dirt into the tank shown. To what marker will Demario fill the tank?

- A. 2 inches
- B. 5 inches
- C. 10 inches
- D. 15 inches



A. Draw a picture of the original square paper.

B. Determine the <u>area</u> of the rectangle James created.





41) William used 6 squares to make the figure shown. For A-C, add one additional square to increase the perimeter, keep the perimeter the same, or decrease the perimeter.

A. Perimet	er increases
B. Perimet	er stays the same
C. Perimet	er decreases

- 42) Rob is calculating the area of this rectangle. His strategy is to multiply the whole numbers first and then multiply the fractions. Since $3 \times 5 = 15$ and $1/3 \times \frac{1}{4} = 1/12$, he concludes that the area of the rectangle is $15 \frac{1}{2}$ square feet. Find the correct area, in square feet, of the rectangle.
- 43) Gina is 3 feet and 2 inches tall. Her father is 6 feet tall. Gina's father is how many inches taller than Gina?
 - A 34 inches
 - B 32 inches
 - C 28 inches
 - D 2.8 inches

44) Jan plans to make some dip for her party:

- The recipe calls for 1 cup of sour cream.

- She plans to triple the recipe.
- Sour cream is sold in 1-pint containers.

What is the <u>least number of 1-pint containers of sour</u> cream Jan must have to make the dip?



A 1 container

B 2 containersC 3 containersD 4 containersPASS Standard 4.2

45) Kamilah took \$7.75 to her school book fair. She bought 3 posters and 1 book. The prices, including tax, for items sold at the book fair are shown.

DOOK F all				
Item	Price			
stickers	\$0.25			
pencil	\$0.35			
poster	\$1.05			
gel pen	\$1.60			
book	\$3.00			

What is the <u>greatest</u> number of pencils Kamilah can buy with the money she has left?

- A 5 pencils
- **B** 4 pencils
- C 2 pencils
- **D** 1 pencil

PASS Standard 5.1

46)

Book Fair

James surveyed 26 of his classmates who own at least one dog or cat. The table shows his results.

Pets	Number of Classmates
Dog	18
Cat	16

Which Venn diagram matches this information?



47)

Katie wants to use a bar graph instead of this pictograph for her report on mammals.



Which bar graph shows the same information as the pictograph?



48) The table shows the favorite foods of the 5th graders in Tulsa Public Schools.

Favorite Food	Percent of 5 th Graders
Pizza	45%
Hot Dog	30%
Hamburger	20%
Meatloaf	5%

Which type of graph is most appropriate to display the data in this table?

- A bar graph
- **B** line graph
- **C** circle graph
- **D** pictograph

PASS Standard 5.2

- 49) A box contains only blue and orange rubber balls. All balls are the same size. The probability of drawing a blue ball on the first draw is 10 out of 27. What is the <u>least</u> number of orange balls in the box?
 - **A** 10
 - **B** 17
 - **C** 27
 - **D** 37

PASS Standard 5.3

50) Edward recorded 6 of the 7 numbers he needed in a data set. He knows the median for this set of data is 15.



Which number could be the missing number in this set of data?

- **A** 12
- **B** 16
- **C** 19
- **D** 26

Fifth Grade M	ath Summative Asse	ssment: KEY	
QUESTION	ANSWER	QUESTION	ANSWER
1	В	26	$ \begin{array}{c} 4 \boxed{2} \\ \times 5 6 \\ \hline 2 \boxed{35 2} \\ \end{array} $ $ \begin{array}{c} 4 \boxed{7} \\ \times 5 6 \\ \hline 2 \boxed{6 3 2} \end{array} $
2	С	27	С
3	С	28	
4	A	29	1 meter = 0.001 km; 1 centimeter = 0.01 m; 1 millimeter = 0.1 cm
5	a. A b. 29	30	1/6 and 7/8
6	D	31	С
7	В	32	D
8	D	33	A
9	D	34	С
10	В	35	R $120^{110} 100 90 80 70$ $120^{110} 100 90 80 70$ $130 60 70^{100} 100_{110} 20 50$ $140 50$ $150 30$ $160 20$ $170 10$ N Measure of angle <i>MNR</i> = 105°
11	A	36	В
12	В	37	A
13	В	38	
14	U	39	В

15	A	40	a. Square must be 4x4
			b. 8 square inches
16	В	41	A. Perimeter increases
			B. Perimeter stays the same
			C. Perimeter decreases
17	В	42	17 ½ feet sq
18	A	43	A
19	С	44	В
20	A	45	В
21	В	46	A
22	A	47	D
23	В	48	A
24	A	49	В
25	7.5 or 7 ½ inches	50	A