

Released Assessment Questions, 2015

Primary Division

Grade

3

Mathematics

Assessment of Reading, Writing and Mathematics

INSTRUCTIONS

Answering Multiple-Choice Questions

Like this: ● Not like this: ⊗ ✓ ◐ ○

- Use a pencil only.
- Fill only one circle for each question.
- Fill the circle completely.
- Cleanly erase any answer you wish to change.

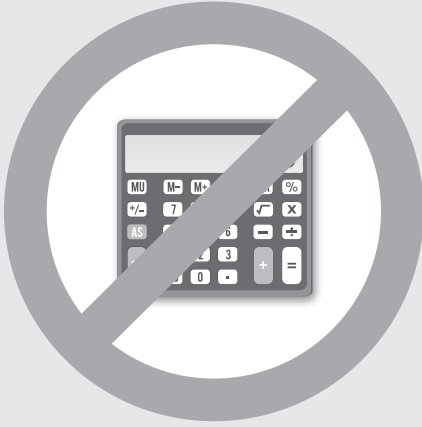
Answering Open-Response Questions

- Write on the space provided in this booklet.

Education Quality and
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You are now ready to start.



**You may not use
a calculator or manipulatives
for questions 1–3.**

- 1** The numbers in the pattern below decrease by the same amount each time.

81, 72, 63, _____, _____, _____

What are the next three numbers?

- 54, 45, 36
- 54, 45, 37
- 55, 46, 37
- 55, 47, 39

- 2** What number goes in the box to complete the following number sentence?

$$6 + \square - 5 = 20$$

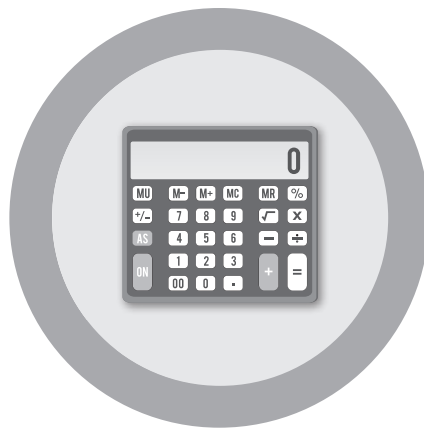
- 11
- 14
- 19
- 31

- 3** Sara has \$27 in a jar. She adds \$2 to the jar every week.

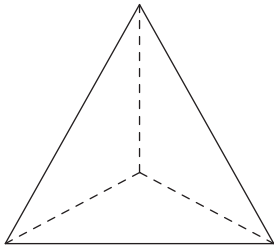
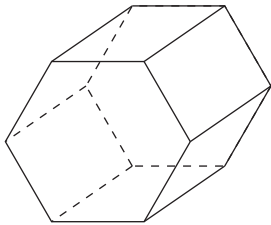
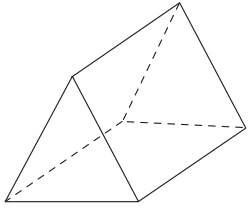
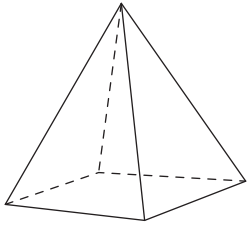
How much money will she have in the jar in 6 weeks?

- \$29
- \$37
- \$39
- \$41

**You may now use
a calculator and/or manipulatives.**



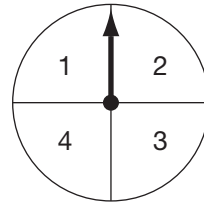
4 Which of the figures pictured below is a square-based pyramid?



5 How many hours is 240 minutes?

- 2 hours
- 3 hours
- 4 hours
- 5 hours

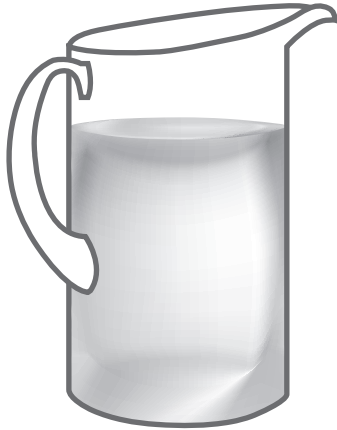
6 Varroon spins the arrow on the spinner below 40 times.



How many times should Varroon expect the arrow to land on 3?

- 10
- 20
- 30
- 40

- 7** When the container pictured below is full, it can hold 1 L of liquid.








About how much liquid is shown in the container?

- one litre
- one-half of a litre
- one-quarter of a litre
- three-quarters of a litre

8 The pictograph below shows the results of Clark’s survey about his friends’ favourite zoo animals.

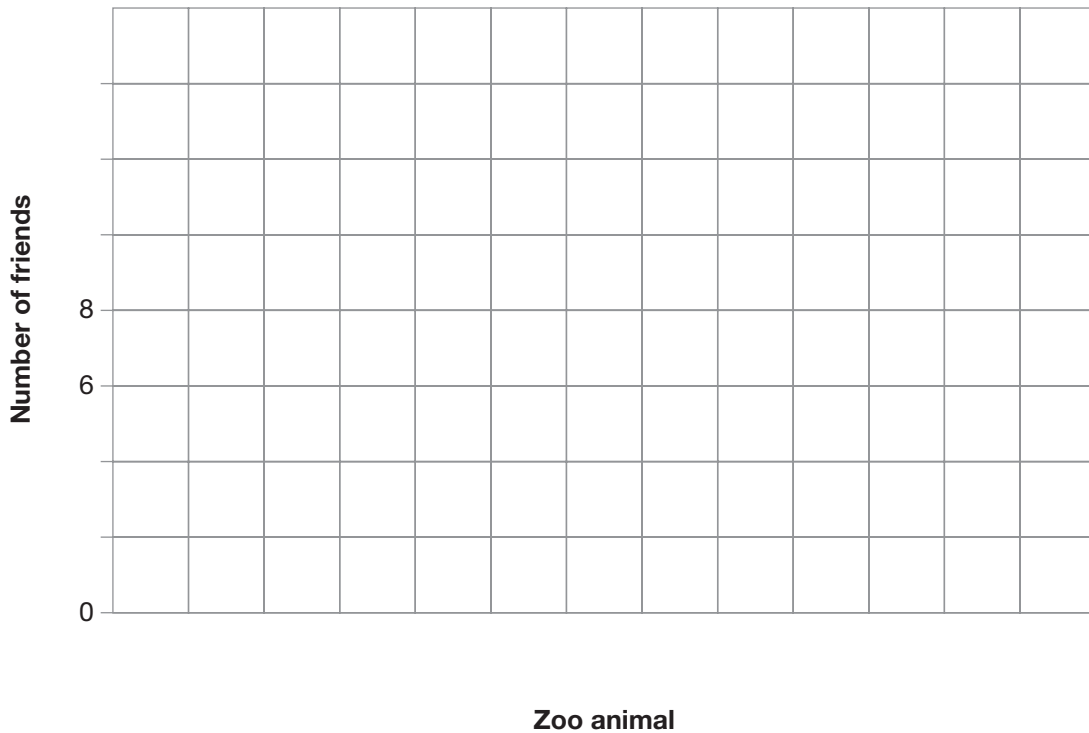
Favourite Zoo Animal

Animal	Number of friends
Monkey	
Elephant	
Penguin	
Tiger	

Key
Each  represents 2 friends.

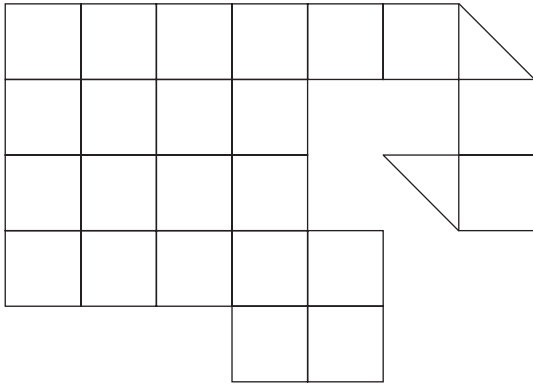
Display and label Clark’s data by completing the bar graph below. Complete the scale shown.

Favourite Zoo Animal

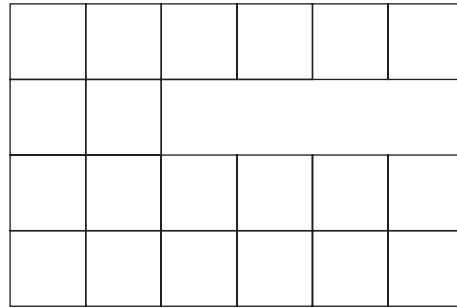


9 Two playgrounds are pictured below.

Playground A



Playground B



1 square unit

Determine how much larger the area of Playground A is than the area of Playground B.

Show your work.

Playground A is _____ square units larger than Playground B.

10 Some students at Tree Glen Public School collect items for recycling.

Information about the number of items the girls and boys collect in 2 days is shown in the chart below.

Day	Number of items for the girls	Number of items for the boys
Monday	16	19
Tuesday	11	?

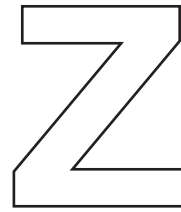
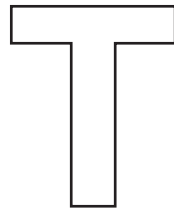
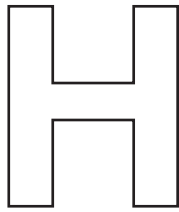
The girls and boys collect a total of 50 items over the 2 days.

Determine the number of items the boys collect on Tuesday.

Show your work.

The boys collect _____ items on Tuesday.

11 Draw all lines of symmetry for each letter below.



Explain how you know that the letter A shown above has a line of symmetry.

12 Which of the following is the most appropriate unit to measure the distance between Ottawa and Toronto?

- litre
- metre
- kilogram
- kilometre

13 A fact family with one missing number sentence is shown below.

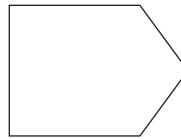
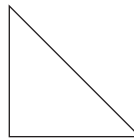
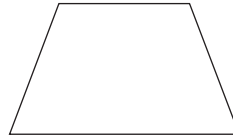
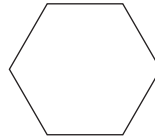
$26 - 7 = 19$
$19 + 7 = 26$
?
$7 + 19 = 26$

Which of the following is the missing number sentence?

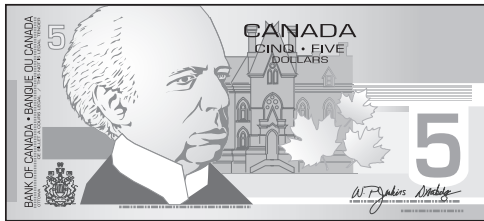
- $26 + 19 = 45$
- $26 - 19 = 7$
- $19 - 7 = 12$
- $26 + 7 = 33$

14 Which shape below has both

- at least one right angle and
- angles that are greater than a right angle?



15 Adam has the money shown below.

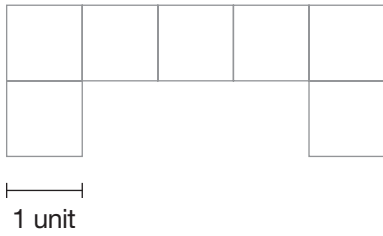


He wants to buy a book that costs \$8.00.

Which of the following sets of coins represents the amount of money Adam still needs to buy the book?

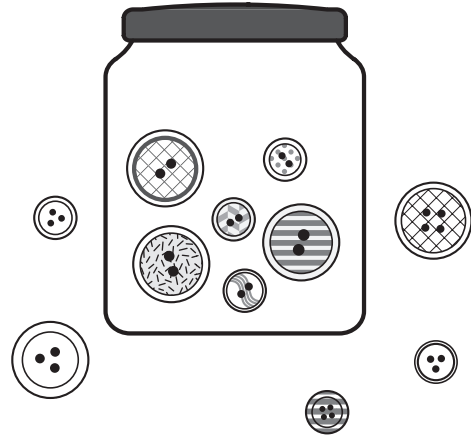


16 What is the perimeter of the shape below?



- 16 units
- 14 units
- 8 units
- 7 units

17 Reagan sorts his button collection. He uses a rule to place the buttons in the jar shown below.



What is his sorting rule for the buttons he has placed in the jar?

- small with designs
- small without designs
- two holes with designs
- two holes without designs

18 What value does the 2 represent in the number 729?

- 2 ones
- 2 tens
- 2 hundreds
- 2 thousands



STOP

Section 2

After each assessment, EQAO makes approximately half of the test items (questions) public. This allows EQAO to build a bank of assessment material that can be used in the future. Items that are not published in this booklet (Section 2) are replaced by their description. Test booklets and examples of student answers from the past five years are available at www.eqao.com.

Items that are not being published have been described below, with a reference to the skill they assessed.

- 1** add and subtract three-digit numbers (Thinking)
- 2** add and subtract three-digit numbers (Application)
- 3** divide objects into equal groups (Application)
- 4** multiply or divide numbers (Knowledge and Understanding)
- 5** determine the values of coins and bills (Application)
- 6** measure lengths using standard units (Application)
- 7** read temperatures on a thermometer (Knowledge and Understanding)
- 8** solve a problem involving covering a shape (Thinking)
- 9** compare masses of objects (Knowledge and Understanding)
- 10** identify polygons (Knowledge and Understanding)
- 11** describe movement on a grid (Application)
- 12** identify geometric properties of various polygons (Thinking)
- 13** identify attributes of patterns (Knowledge and Understanding)
- 14** identify a repeating pattern (Application)
- 15** identify the properties of zero and one in multiplication (Knowledge and Understanding)
- 16** represent patterns using a number sequence (Application)
- 17** interpret data in a graph (Application)
- 18** interpret and draw conclusions from data presented in a graph (Thinking)