

Grade 3

Assessment of Reading, Writing and Mathematics, Primary Division

Student Booklet

Mathematics

Spring 2013

RELEASED ASSESSMENT QUESTIONS

Beginning in 2013, EQAO will make approximately half, rather than all, of its test items (questions) public after each assessment. This process allows EQAO to build up a bank of items that can be used in future years.

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Education Quality and
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Mathematics

Section 1

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

- 1** On Monday, Charlene is given the coins shown below.



On Tuesday, Charlene is given the same amount of money.

How much money is she given in total over the two days?

- 2** Which of the following shows counting forward by 25?
- 575, 600, 625, 650
 - 325, 425, 525, 625
 - 125, 250, 375, 500
 - 50, 75, 125, 150

- 3** Look at the two pattern rules below.

Start at 1 and add 3 each time.

Start at 1 and add 4 each time.

Which of these numbers is in both patterns?

- 4
- 5
- 9
- 13

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

- 4** Multiply the numbers on the two cards shown below.

5

1

What is the answer?

- 1
 - 4
 - 5
 - 6
- 5** Noah practises soccer for a total of 2 hours each week.
- Which of the following shows the number of minutes Noah practises soccer each week?
- $12 + 12$
 - $24 + 24$
 - $60 + 60$
 - $100 + 100$

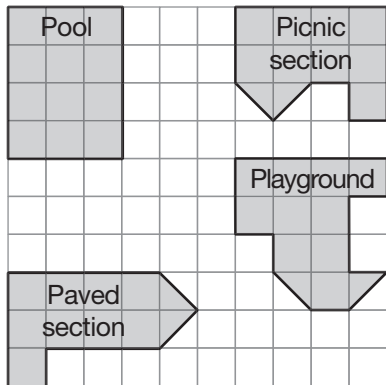
- 6** Look at the chart below.

Number	Word
76	Seventy-six
79	Seven-nine
93	Ninety-three
96	Nine-sixty

Which numbers are written correctly in words?

- 76 and 93
- 76 and 96
- 79 and 93
- 93 and 96

- 7** A park has 4 sections as shown on the grid below.



1 square unit

Which section has an area of 11 square units?

- pool
- playground
- paved section
- picnic section

8 Kathy and Michael go to a craft store to buy paint and brushes.

One bottle of paint costs \$5, and 1 brush costs \$3.

Kathy buys 1 bottle of paint and 4 brushes.

Michael buys 2 bottles of paint and 1 brush.

How much more money does Kathy spend than Michael?

Show your work.

Kathy spends _____ more than Michael.

9 Janelle needs 5 m of string for an art project. She already has 325 cm of string.

What is the length of string Janelle still needs?

Show your work.

Janelle needs _____ more string.

10 The chart below shows data about the birds Sanjeet sees one day.

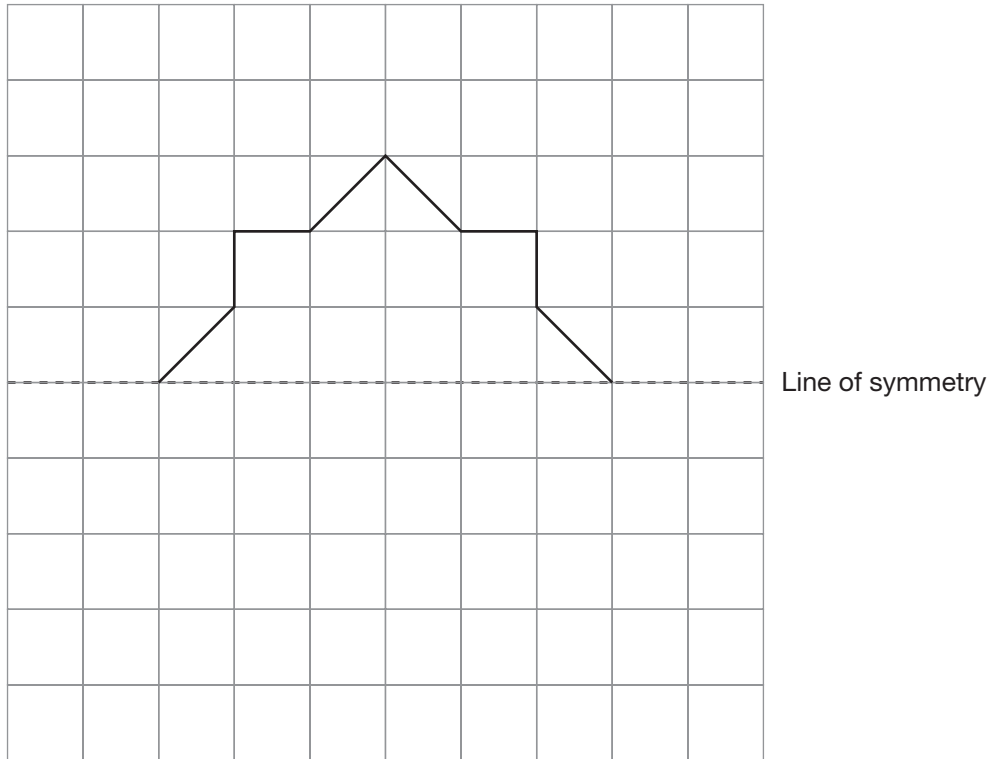
Type of bird	Number of birds
Blue jay	12
Robin	10
Sparrow	6
Chickadee	4

Using Sanjeet's data and the key provided, create a pictograph below.

Sanjeet's Birdwatching

Key
Each ○ represents 4 birds.

11 Complete the shape on the grid. Use the dotted line as a line of symmetry.



Draw all lines of symmetry on the shape.

Explain why these lines are lines of symmetry.

12 February 16th is circled on the calendar below.

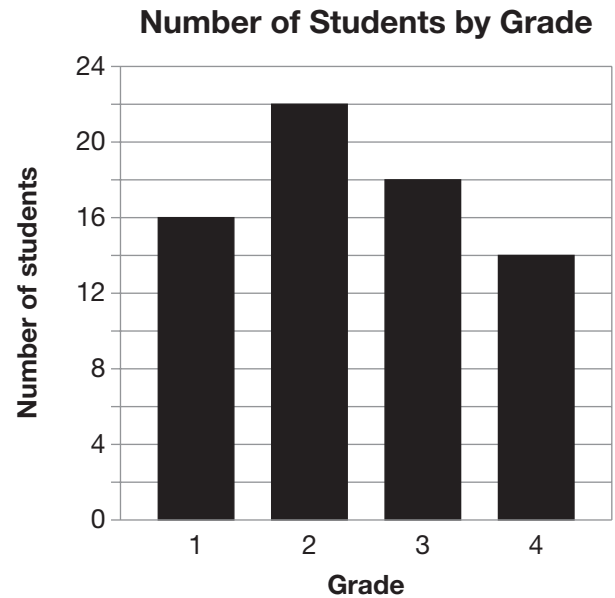
February						
S	M	Tu	W	Th	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

March						
S	M	Tu	W	Th	F	S
				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

What date is 3 weeks and 2 days from February 16th?

- March 9th
- March 10th
- March 11th
- March 12th

13 Look at the graph below.



How many students are in Grade 3?

- 16
- 17
- 18
- 22

- 14** What time does the digital clock pictured below show?



- Twenty-five minutes to five o'clock
- Twenty-five minutes to four o'clock
- Thirty-five minutes to four o'clock
- Thirty-five minutes to five o'clock

- 15** Look at the pattern below.

4, 7, 10, ____, ____, 19

What are the missing numbers?

- 12, 14
- 12, 16
- 13, 15
- 13, 16




- 16** Mike has a 3-D figure. It has 5 faces and 5 vertices.

Which figure does Mike have?

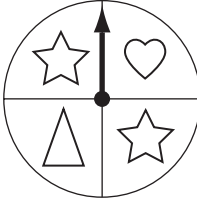
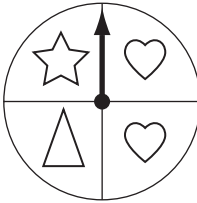
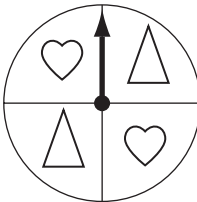
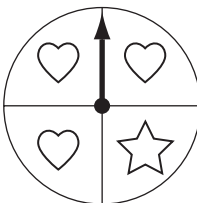
- triangular prism
- rectangular prism
- square-based pyramid
- triangular-based pyramid

- 17** Jim spins the arrow on a spinner 80 times.

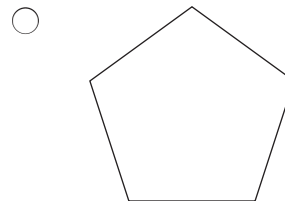
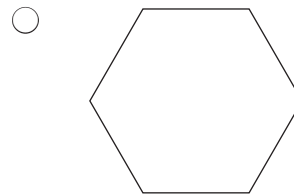
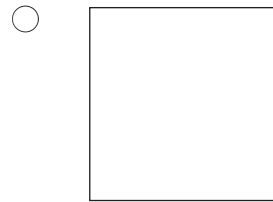
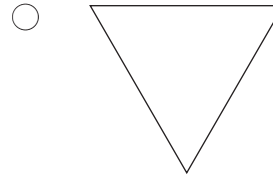
He records the results in the table below.

Shape	Number of spins
	20
	40
	20

Which spinner did Jim most likely use?

- 
- 
- 
- 

- 18** Which of the following shapes is a parallelogram?



Mathematics

Section 2

Beginning in 2013, EQAO will make approximately half, rather than all, of its test items (questions) public after each assessment. This process allows EQAO to build up a bank of items that can be used in future years.

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- 1** addition of two-digit numbers
(Knowledge and Understanding)
- 2** subtraction of three-digit numbers
(Thinking)
- 3** estimation to solve a problem
(Application)
- 4** multiplication of one-digit numbers
(Application)
- 5** round two-digit numbers to solve a problem
(Application)
- 6** identification of benchmarks for temperature
(Knowledge and Understanding)
- 7** calculation of perimeter
(Application)
- 8** selection of most appropriate unit of length
(Knowledge and Understanding)
- 9** compare the area of different shapes
(Thinking)
- 10** describe a three-dimensional figure by its faces
(Knowledge and Understanding)
- 11** identification of transformations
(Application)
- 12** solve a problem involving the least number of pattern blocks to cover a shape
(Thinking)
- 13** extend a repeating pattern
(Knowledge and Understanding)
- 14** determine the missing number in an equation
(Application)
- 15** use associative properties to solve an addition problem
(Knowledge and Understanding)
- 16** extend a geometric pattern and represent it on a number line
(Application)
- 17** identify attributes used in sorting shapes
(Application)
- 18** predict the frequency of an outcome in a probability experiment
(Thinking)

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2 Carlton Street, Suite 1200, Toronto ON M5B 2M9
Telephone: 1-888-327-7377 Web site: www.eqao.com

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