

2013–2014

Nova Scotia Assessment

Reading

Writing

Mathematics

in Grade

6

Sample Questions

Mathematics: Sample Questions

Do your work in the space provided, if needed.

1 Which expression is equal to 3571?

- 300 + 50 + 71
- 300 + 500 + 700 + 100
- 3000 + 57 + 1
- 3000 + 500 + 70 + 1

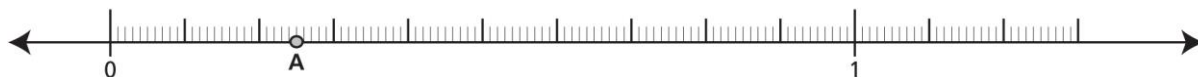
2

$$\frac{7}{\square}$$

Choose a denominator so the fraction is **closest to one-half**.

- 2
- 8
- 10
- 15

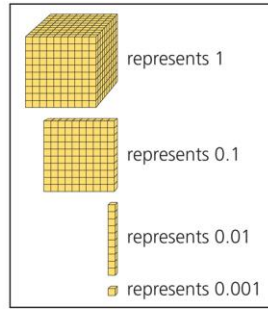
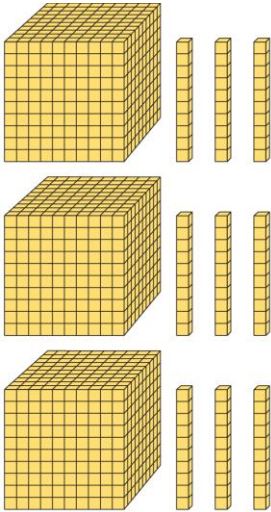
3



What number does the point **A** represent on this number line?

- 3.5
- 2.5
- 0.35
- 0.25

4



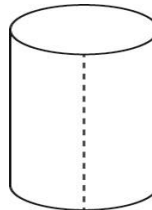
What multiplication is modeled?

- 3 x 1.3
- 3 x 1.03
- 3 x 1.003
- 3 x 1003

5

The paper tube below is cut along the dotted line and opened up. What shape will the flattened piece of paper tube be?

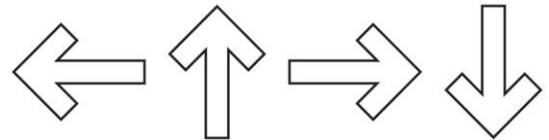
- circle
- hexagon
- rectangle
- rhombus



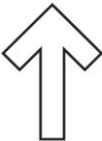
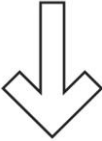
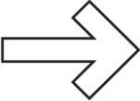
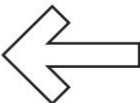
6 Do your work in the space provided, if needed.

A. $3 \times 3.1 =$	<input type="radio"/> 3.13 <input type="radio"/> 9.1 <input type="radio"/> 9.3 <input type="radio"/> 93	B. $7.74 \div 2 =$	<input type="radio"/> 387 <input type="radio"/> 38.7 <input type="radio"/> 3.87 <input type="radio"/> 2.187

7 A pattern is made by repeating these four shapes.



If the pattern continues in the same way, what will be the 14th shape?

- 
- 
- 
- 

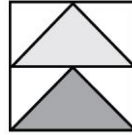
8 There are 54 marbles.
They are put into 6 bags, so that the same number of marbles is in each bag.

How many marbles do 2 bags contain?

- 108 marbles
- 18 marbles
- 15 marbles
- 12 marbles

9

A quilt is made of patches with this pattern.

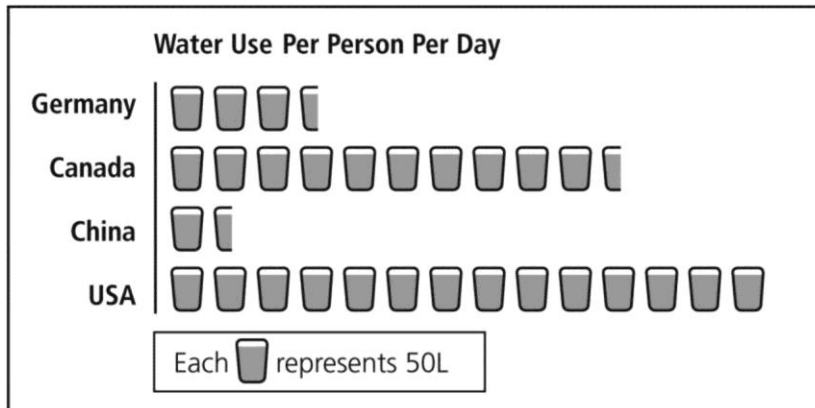


Which of these represents a 180° rotation of the patch?

<input type="radio"/> 	<input type="radio"/>
<input type="radio"/> 	<input type="radio"/>

10

The graph shows the water use per person per day in four countries.



Based on the information from the graph, which of these is true?

- In China each person uses 70 mL of water a day.
- Canadians use three times as much as Germans.
- People in the USA use 150 L more water per day than Canadians.

11

Larry wants to make fruit juice in a container which has a capacity of 2 L.
To make the juice, Larry must follow the directions found on the frozen juice can.
He must combine the 525 mL can of frozen juice with three full cans of 525 mL of water.

Will Larry's container be large enough?



Show all of your work.

Explain your answer:



Please go back and check your work.
Be sure you have answered every question.
Then close your booklet.
You have finished the sample questions.