

Kentucky Summative Assessments



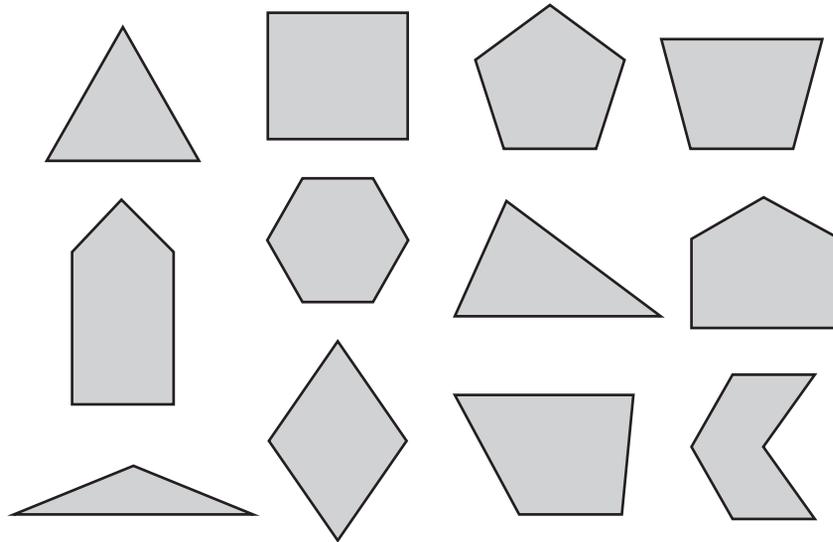
Grade 3 Mathematics Released Items 2022



1

MA0320144_4,5

A set of shapes is shown.



Which statements are true?

Select **two** correct answers.

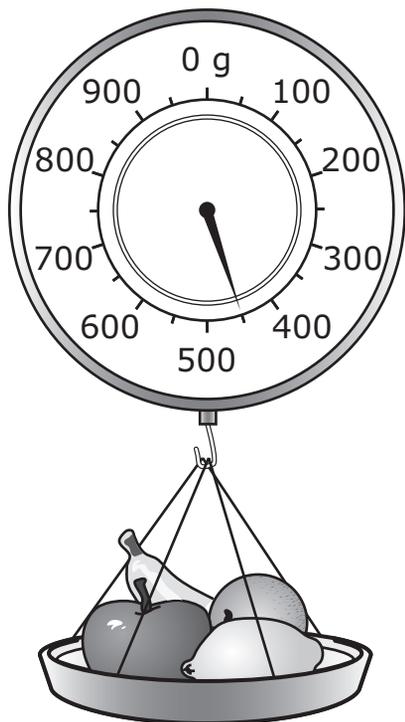
- A** There is exactly one hexagon.
- B** There are exactly two triangles.
- C** There are exactly three squares.
- D** There are exactly three pentagons.
- E** There are exactly four quadrilaterals.



2

MA0320099_1

The scale shows the mass of some fruit.



The apple has a mass of 100 grams (g). What is the mass, in grams, of the other fruit?

- A 350
- B 450
- C 550
- D 800



3

MA0320048_3

The rectangle shown is divided into equal parts.



Which expression shows the fraction of the rectangle that is shaded?

- A $\frac{3}{4} + \frac{1}{4}$
- B $\frac{1}{3} + \frac{1}{3} + \frac{1}{3}$
- C $\frac{1}{4} + \frac{1}{4} + \frac{1}{4}$
- D $\frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3}$

4

MA0320058

A teacher asked two students to write a fraction that is equivalent to 2.

- David writes the fraction $\frac{1}{2}$.
- Mike writes the fraction $\frac{4}{2}$.

Select from the drop-down menus to explain which student is correct.

is correct because each whole is divided into equal parts and of these parts are equivalent to 2.

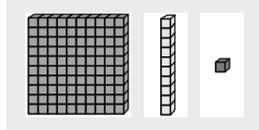


5

MA0320147

Part A

Move the appropriate number of base ten blocks into the box to represent the sum of 253 and 148.



Sum of $253 + 148$

Part B

Explain how your model represents the sum of 253 and 148. Include the sum in your explanation.

Enter your explanation in the space provided.



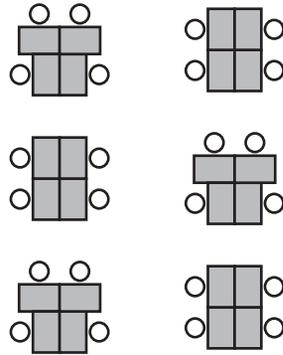
▼ Math symbols

+	-	×	÷
$\frac{\square}{\square}$	$\frac{\square}{\square}$	()
[]	=	<
>	≠	\$	°
?			



MA0320C3_00

A teacher put his students' desks into groups, as shown. Each rectangle represents a desk and each circle represents a student.



6

MA0320C3_01_4

Which expression can be used to find the total number of students in the teacher's classroom?

- A** $4 + 4 \times 6$
- B** $4 \times 3 \times 3$
- C** $(3 \times 2) + (3 \times 2)$
- D** $(3 \times 4) + (3 \times 4)$

**7**

MA0320109_4

Timothy has 3 boxes of books. There are 45 books in all. Two of the boxes have 12 books each. Which equation can be used to find the total number of books, b , in the third box?

- A** $12 + 45 \div 3 = b$
- B** $12 - 45 \div 3 = b$
- C** $2 \times 12 - b = 45$
- D** $2 \times 12 + b = 45$



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