Kentucky Summative Assessments

Kentucky Department of Education

Our Children,

Our Commonwealth

Grade 5 Mathematics
# Released Items
2022
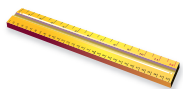
1

MA0520177_3

Which statement about quadrilaterals is true?

A Every rhombus is also a square because rhombuses have four equal sides.

B Every rectangle is also a square because rectangles have four right angles.

C Every rhombus is also a parallelogram because rhombuses have two pairs of parallel sides.

D Every parallelogram is a trapezoid because parallelograms have two pairs of parallel sides.

2

MA0520070_2

A student finds the volume of a right rectangular prism using cubic unit blocks, as shown.
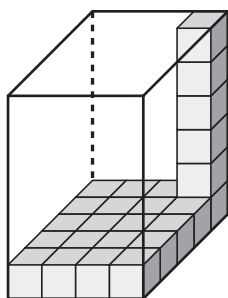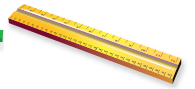

KEY

Each ▢ = 1 cubic unit.

Which expression can be used to find the total number of cubic unit blocks the student needs to completely fill the prism?

A $4 + 5 \times 6$

B $5 \times 4 \times 6$

C $8 \times 4 \times 5$

D $10 + 8 \times 6$

GO ON▶
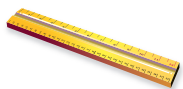
3

MA0520151_4,5

The comparison shown has a missing number.

$$8 < 8 \times \square$$

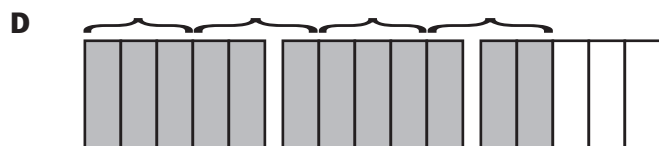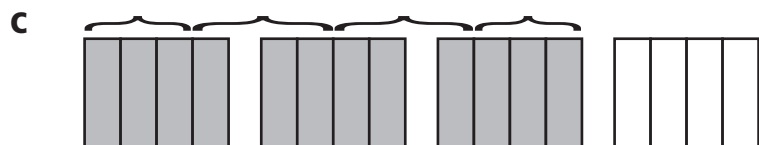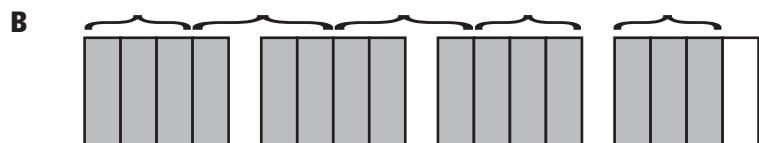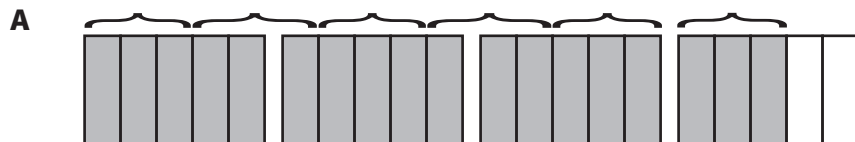Which numbers make the comparison true?

Select **two** correct answers.

A $\frac{1}{8}$

B $\frac{1}{2}$

C $\frac{5}{8}$

D $\frac{9}{8}$

E $\frac{8}{1}$

GO ON▶

4

MA0520047_4

Luke ran $\frac{3}{5}$ of a lap around a track. Sarah ran 4 times the distance around the track that Luke ran. Which fraction model represents the distance Sarah ran, in laps?

A

B

C

D

5

MA0520023_2

Which expression has a value of 32,000?

A 32×10^2

B 32×10^3

C 32×10^4

D 32×10^5

GO ON▶

6   MA0520117

Select from the drop-down menus to correctly complete the sentence.

When dividing the number 83.4 by 10^2, the new value will be [Choose... ▾]

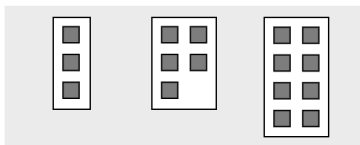83.4 because each place value of 83.4 is [Choose... ▾] by

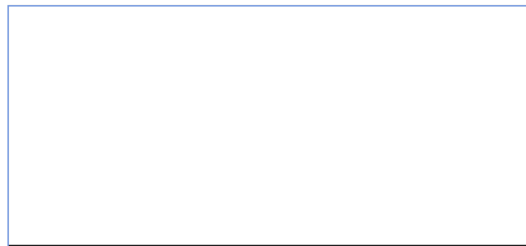[Choose... ▾] .

7   MA0520109

Part A

Create a model that can be used to represent the value of 3 times the sum of 5 and 8.

Move the appropriate number of groupings into the box to create your model. Each grouping may be used once, more than once, or not at all.

3 Times the Sum of 5 and 8

Part B

Write an expression that can be used to represent "3 times the sum of 5 and 8." Explain how your expression compares to the model you created in Part A.

Enter your expression and your explanation in the space provided.

▾ Math symbols

+	−	×	÷
[	]	=	<
>	≠	$	°
?			

STOP ■

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