10-Minute FSA Drills - 2019 **5th Grade** **Name:** _____

A numerical expression is evaluated as shown.

$$\frac{1}{2} \text{ x } (4 + 2 \text{ x } 8) - 2$$

Step 1: $\frac{1}{2}$ x (6 x 8) - 2

Step 2: $\frac{1}{2}$ x (48) – 2

Step 3: 24 - 2

Step 4: 22

In which step does a mistake first appear?

A. Step 1
B. Step 2
C. Step 3
D. Step 4

What is the missing value in the equation shown?

$$\square \text{ x } \frac{1}{10} = 0.48$$

What is the value of the expression?

$$\frac{3}{4} + \frac{9}{12}$$

A. $\frac{12}{16}$

B. $\frac{12}{48}$

C. $\frac{12}{12}$

D. $\frac{18}{12}$

Select all the options that could be the dimensions of a rectangular prism with a volume of 576 cubic feet (ft).

A. length: 6 ft, width: 8 ft, height: 12 ft
B. length: 12 ft, width: 12 ft, height: 6 ft
C. length: 4 ft, width: 12 ft, height: 12 ft
D. length: 2 ft, width: 12 ft, height: 24 ft
E. length: 8 ft, width: 8 ft, height: 12 ft

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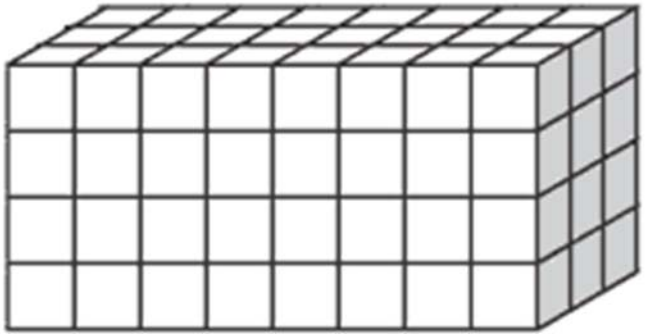
A rectangular prism is shown.



What is the volume, in cubic units, of the rectangular prism?

Select all the numbers that round to 6.7 when rounded to the nearest tenth.

A. 7
B. 6.709
C. 6.74
D. 6.5
E. 6.68
F. 7.61

What is 0.836×10^3?

What is the value of the expression $7\frac{1}{3} - 2\frac{3}{5}$?

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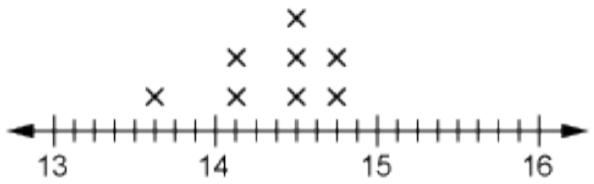
Multiply:

382
x 48

Which expression is equivalent to $\frac{3}{20}$?

A. 20 – 3
B. 3 – 20
C. 20 ÷ 3
D. 3 ÷ 20

A line plot with Roberta's lengths of ribbons is shown.



Ribbon Lengths (inches)

What is the combined length of the three shortest ribbons?

An expression is shown.

$\frac{1}{5} \div 3$

What is the value of the expression?

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Point Z is 4 units away from the origin on the x-axis. What could be the coordinates of point Z? A. (4, 4) B. (4, 0) C. (0, 4) D. (4, 3)	What is 1.25×10^2?
When dividing a number by 10^3, how is the decimal point moved? A. 2 places to the right B. 2 places to the left C. 3 places to the right D. 3 places to the left	What is "three hundred twenty-two thousandths" in decimal form? A. 322,000 B. 322.0 C. 3.22 D. 0.322

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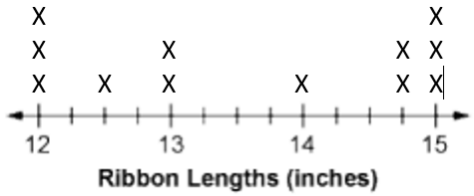
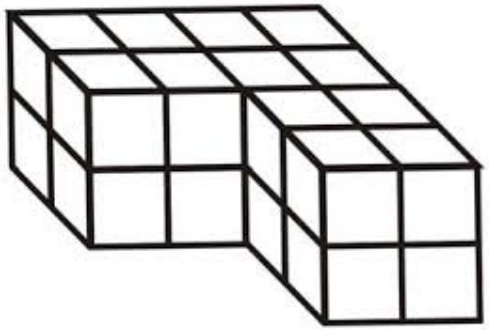
A line plot with Kelly's lengths of ribbons is shown.



How many ribbons are longer than 12½ inches?

A shape constructed of unit cubes is shown.



What is the volume, in cubic units, of the shape?

What is 12.496 rounded to the nearest hundredth?

Which statement is equivalent to multiplying a number by 10^1?

A. adding 10
B. adding 1 ten times
C. multiplying by 1 ten times
D. multiplying by 10

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A numerical expression is shown.

$$24 - 8 \div 4 + 2 \times 3$$

Solve the expression.

A numerical expression is evaluated as shown.

$$\frac{1}{2} \times (6 \times 5 + 4) - 10$$

Step 1: $\frac{1}{2} \times (30 + 4) - 10$

Step 2: $\frac{1}{2} \times (34) - 10$

Step 3: $\frac{1}{2} \times 24$

Step 4: 12

In which step does a mistake first appear?

A. Step 1
B. Step 2
C. Step 3
D. Step 4

What is the missing value in the equation shown?

$$\square \times \frac{1}{100} = 3.06$$

Alan and Dayana are baking cookies. The recipe lists $\frac{7}{8}$ cup of flour. They only have $\frac{1}{4}$ cup of flour left. How many more cups of flour do they need to bake the cookies?

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Caroline is measuring fabric for the costumes of a school play. She needs 6 meters of fabric. She has 285 centimeters of fabric. How many more centimeters of fabric does she need?

What is the value of the expression?

$$\frac{2}{3} + \frac{1}{8}$$

A. $\frac{3}{11}$

B. $\frac{3}{24}$

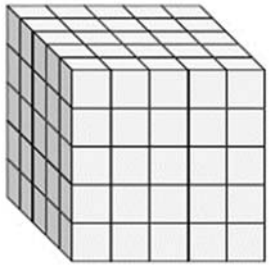
C. $\frac{17}{24}$

D. $\frac{19}{24}$

What is the value of the expression?

3.6 x 10.42

A rectangular prism is shown.



What is the volume, in cubic units, of the rectangular prism?

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When multiplying a number by 10^2, how is the decimal point moved?

A. 2 places to the right
B. 2 places to the left
C. 3 places to the right
D. 3 places to the left

Fill in the circles to select the decimal form for each number name.

	470	0.47	0.047	0.0047
Forty-seven thousandths	O	O	O	O
Four hundred seventy thousandths	O	O	O	O

An expression is shown.

$$14.35 + 2.05 + 0.6$$

What is the value of the expression?

Multiply:

$$\begin{array}{r} 436 \\ \times\ 27 \\ \hline \end{array}$$

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Which expression is equivalent to $\frac{5}{12} \times \frac{3}{5}$?

A. $\frac{8}{17}$

B. $\frac{8}{60}$

C. $\frac{15}{60}$

D. $\frac{15}{17}$

Point T is 6 units away from the origin on the y-axis. What could be the coordinates of point T?

A. (2, 6)
B. (6, 0)
C. (6, 6)
D. (0, 6)

How many times the value of 0.075 is the value of 0.75?

What is the value of the exponent missing from the statement below?

$134.905 \times 10^{\square} = 13{,}490.5$

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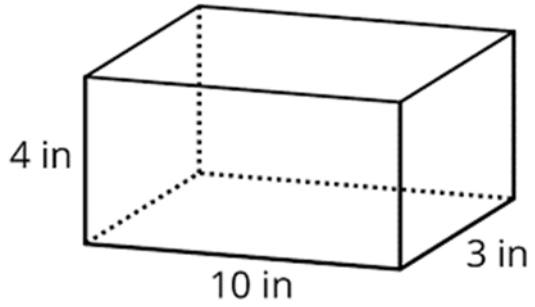
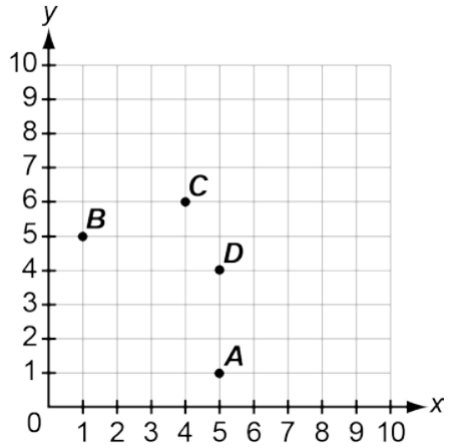
A rectangular prism is shown.



What is the volume, in cubic inches, of the rectangular prism?

Which point is located at (1, 5) on the coordinate grid?



A. Point A
B. Point B
C. Point C
D. Point D

A numerical expression is shown.

12 + (24 ÷ 6) – 5 x 2

The value of this expression is:

A. 2
B. 6
C. 22
D. 48

What is $212.38 \div 10^2$?