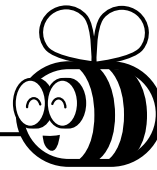


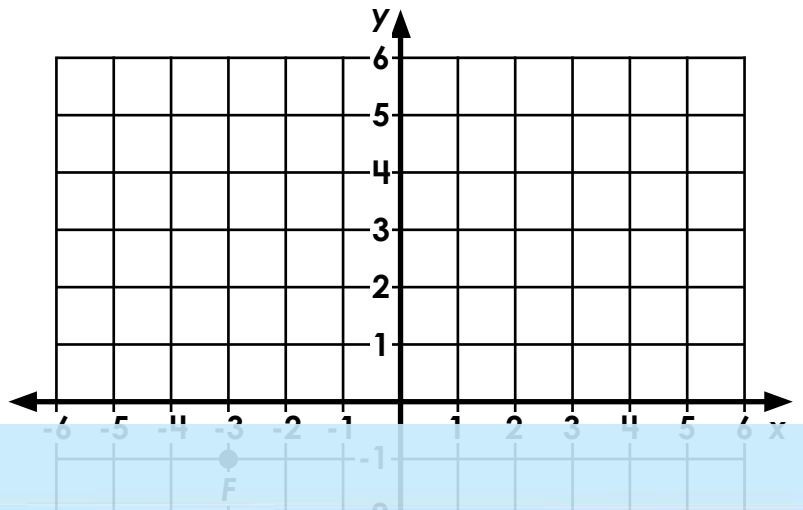
Name: _____



Math Buzz

Is it always true that when you multiply a whole number by a fraction less than 1, the product is always less than the number? Explain. Use an example in your explanation.

Reflect point **F** over the **y**-axis. Label the new point **F'** and give its ordered pair.



Preview

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answer:

Point **F'** : _____

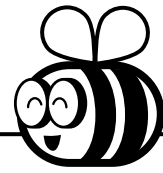
A statistical question is a question that can be answered by collecting data with variability (different answers).

Select all the questions that are statistical questions.

- a. How many states have you visited?
- b. How many states has everyone in your math class visited?
- c. How many days of school has each student in your middle school been absent this year?
- d. How many days of school have you missed this year?



Name: _____



Math Buzz



Draw a model that shows $\frac{2}{3} \times 4$.

What is $\frac{2}{3} \times 4$? _____



Preview

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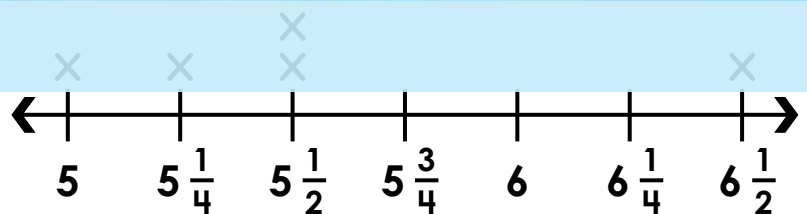
68 _____

71 _____

89 _____

Name a two-dimensional figure that
is always a regular quadrilateral.

answer: _____

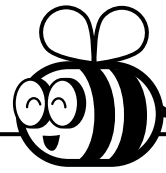


Number of Wings

How many buffalo wings did Khalil's family eat
in all?

answer: _____

Name: _____



Math Buzz

What is the area, in square units, of the triangle? Use the formula $A = \frac{1}{2}bh$ to calculate the answer.

16 units

Last week, Fatima biked $9\frac{1}{4}$ miles. This week, she walked $\frac{1}{3}$ the distance she biked last week. How many miles did Fatima walk this week?

answer: _____

Complete the table using the relationship shown in the graph.

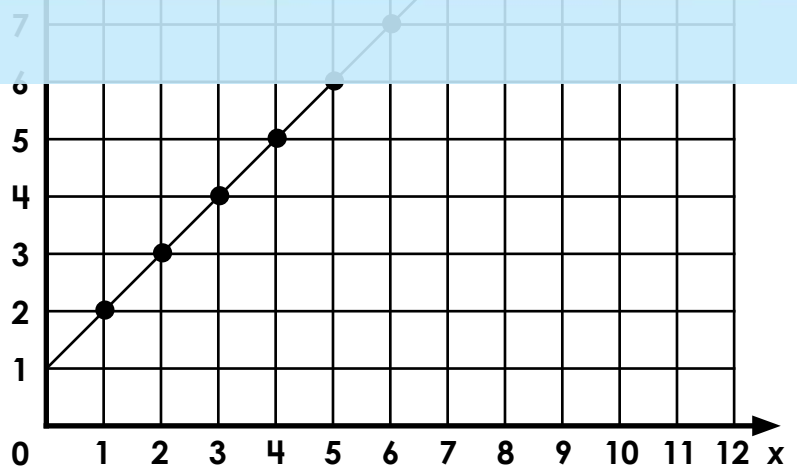


Preview

Please log in to download the printable version of this worksheet.

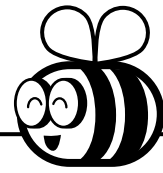
Use partial quotients to solve.

$$535 \div 19 =$$



Input (x)				
Output (y)	4	5	6	7

Name: _____



Math Buzz

Oliver is walking on a trail in a state park that is 2.6 kilometers long. He has walked 0.74 kilometers of the trail so far. How many more kilometers does Oliver still need to walk to complete the trail?

answer: _____

Circle **yes** or **no**.

Is $k = 3$ a solution for the inequality below?

$$\frac{27}{k} \geq 9$$

yes **no**

Data can be described by looking at the graph's shape. The shape can be left-skewed (most of the data is on the right), centered (most of the data is in the center), or right-skewed (most of the data is on the left).

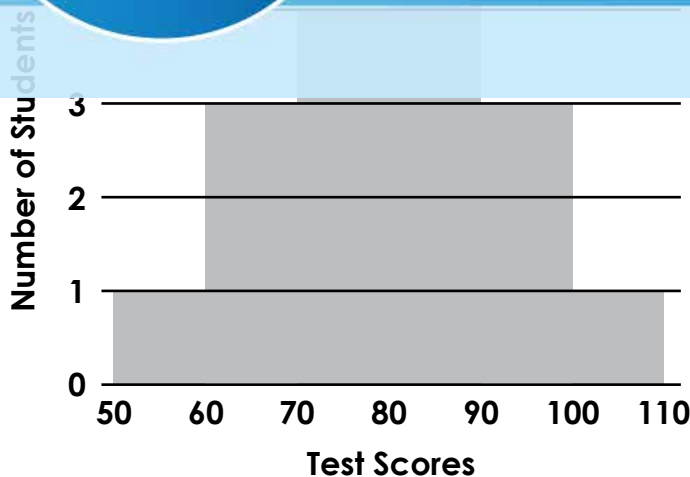
Is $e = 7$ a solution for the inequality below?

$$8e < 56$$



Preview

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Describe the data distribution for the graph.
Is it left-skewed, centered, or right-skewed?

(a) $-(3\frac{1}{3})$

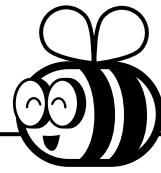
(b) $-(-3\frac{1}{3})$

(c) $-3(\frac{1}{3})$

(d) $3(-\frac{1}{3})$

(e) $-3(-\frac{1}{3})$

Name: _____



Math Buzz

Evaluate the expressions if $y = 7$.

$$56 \div y = \underline{\hspace{2cm}}$$

$$y \times 9 = \underline{\hspace{2cm}}$$

$$495 - y = \underline{\hspace{2cm}}$$

$$y + 348 = \underline{\hspace{2cm}}$$

Round 5.208 to the nearest hundredth. _____

Round 0.19 to the nearest tenth. _____

Round 29.9782 to the nearest whole number. _____

Round 1.5714 to the nearest thousandth. _____

Tala and her family went to Crystal Diamond Mine for the day. Tala found a pink crystal shaped like a cube. The crystal had edge lengths of 9 centimeters. What is the volume of the crystal?



Preview

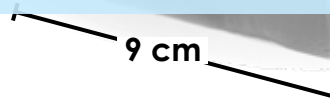
Please log in to download the printable version of this worksheet.

$$\frac{1}{3} \times \frac{1}{3} \quad \begin{matrix} < \\ > \\ = \end{matrix} \quad 3$$

$$3 \times \frac{6}{3} \quad \begin{matrix} < \\ > \\ = \end{matrix} \quad 3$$

$$3 \times \frac{1}{3} \quad \begin{matrix} < \\ > \\ = \end{matrix} \quad 3$$

$$3 \times \frac{3}{3} \quad \begin{matrix} < \\ > \\ = \end{matrix} \quad 3$$

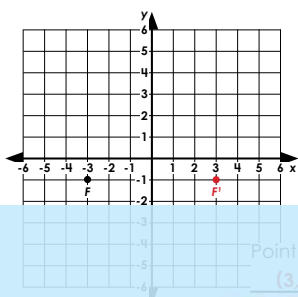


answer: _____



Is it always true that when you multiply a whole number by a fraction less than 1, the product is always less than the number? Explain. Use an example in your explanation.

Answers will vary but should indicate it is always true.



Evaluate the expression.

$$6^2 \div 3 \times 2^4$$

$$36 \div 3 \times 16 = 12 \times 16 = 192$$

answer: 192

Select all the questions that are statistical questions.

a. How many states have you visited?

b. How many states has everyone in your math class visited?

c. How many days of school has each student in your middle school been absent this year?

d. How many days of school have you missed this year?

Draw a model that shows $\frac{2}{3} \times 4$.

Write prime numbers.

29 is a prime number.

48 is a composite number.

prime

prime

prime

Name a two-dimensional figure that is always a regular quadrilateral.

answer: square

What is $\frac{2}{3} \times 4$? $\frac{8}{3}$ or $2\frac{2}{3}$

answer: $33\frac{1}{4}$ buffalo wild



Preview

Please log in to download the printable version of this worksheet.

Oliver is walking on a trail in a state park that is 2.6 kilometers long. He has walked 0.74 kilometers of the trail so far. How many more kilometers does Oliver still need to walk to complete the trail?

$$2.6 - 0.74 = 1.86$$

answer: 1.86 kilometers

Girls' Test Scores



Select all the expressions that represent the opposite of the number $-3\frac{1}{3}$.

(a) $-(3\frac{1}{3})$ (d) $3(-\frac{1}{3})$

(b) $-(-3\frac{1}{3})$ (e) $-3(-\frac{1}{3})$

(c) $-3(\frac{1}{3})$

Evaluate the expressions if $y = 7$.

$$56 \div y = 8$$

$$y \times 9 = 63$$

$$495 - y = 488$$

$$y + 348 = 355$$

Round 5.208 to the nearest hundredth.

5.21

Round 0.19 to the nearest tenth.

0.2

Round 29.9782 to the nearest whole number. 30

Round 1.5714 to the nearest thousandth. 1.571

Tala and her family went to Crystal Diamond Mine for the day. Tala found a pink crystal shaped like a cube. The crystal had edge lengths of 9 centimeters. What is the volume of the crystal?

$$9 \times 9 \times 9 = 729$$

answer: 729 cubic centimeters

Choose the correct symbol.

$$\frac{1}{3} \times \frac{1}{3} < 3$$

$$3 \times \frac{6}{3} > 3$$

$$3 \times \frac{1}{3} < 3$$

$$3 \times \frac{3}{3} = 3$$