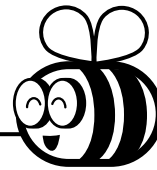


Name: _____



Math Buzz

How many $\frac{1}{6}$ are in $\frac{2}{3}$?

answer: _____

The dimensions of a rectangular rug are shown in the diagram.



Preview

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3x feet

The area of the rug is 48 square feet. Write and solve an equation to determine the value of x.

equation: _____

x = _____

Ava and Journey are saving money for new e-bikes. They both start with \$0 and save at a constant rate for 12 months. The tables show Ava's and Journey's savings, in dollars, at the end of different numbers of months.

Ava's Savings

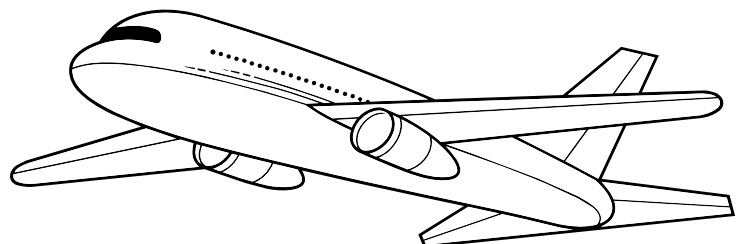
Months	2	4	6
Dollars	70	140	210

Journey's Savings

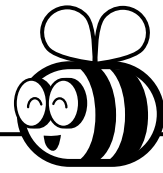
Months	3	6	9
--------	---	---	---

The ratio of number of yards to number of miles is 5,280: 3. How many yards are in 7 miles?

answer: _____



Name: _____



Math Buzz

A shoe box is the shape of a right rectangular prism. The shoe box is 13 inches long, $7\frac{1}{2}$ inches wide, and $4\frac{1}{2}$ inches high. What is the volume, in cubic inches, of the shoe box? Write your answer as a mixed number.

Complete the table.

milligrams	3,000	5,000	6,000	8,000
grams			6	

The following are test scores for a recent science test.

85, 70, 50, 95, 20, 100, 0, 67, 96, 71, 64, 89, 100, 40, 62, 71, 86, 97, 62, 25, 55, 59, 100

Create a histogram using the data.



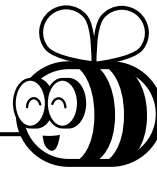
Preview

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the printable version of this worksheet.

One morning the temperature in Fairbanks, Alaska was -35°F and 64°F in Orlando, Florida. How many degrees warmer was it in Orlando than Fairbanks on that morning? Use absolute value to solve.

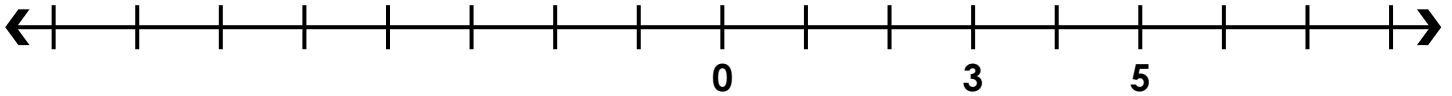
answer: _____

Name: _____



Math Buzz

Use the number line to determine whether each inequality is **true** or **false**.



$-3 > -4$ _____ $-4 > -3$ _____ $-4 < -3$ _____

Write an expression equivalent to $9(3a + 5b) - 6b$. Write your answer in simplest form.

Savannah is planning on covering one wall with floral wallpaper. The dimensions of the wall are shown.



Preview

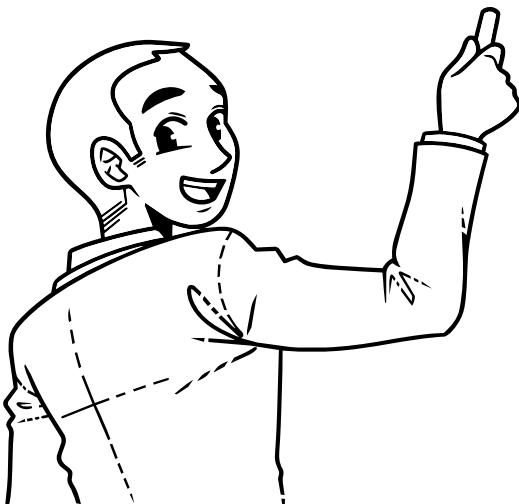
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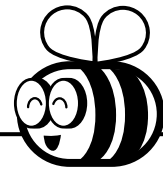
14 feet

How many square feet of wallpaper does Savannah need to cover the wall?

answer: _____



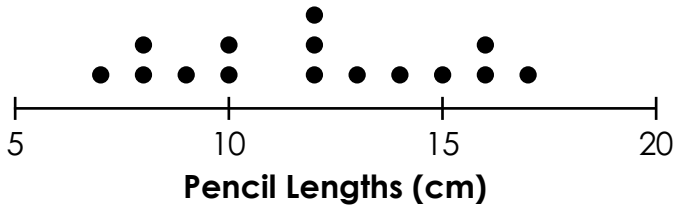
Name: _____



Math Buzz

Use the dot plot to answer the questions.

Class Pencil Lengths



What tool was used to collect the data?

Ishaan purchases $1\frac{1}{3}$ pounds of bulk candy and puts it into bags. Each bag holds $\frac{1}{6}$ pound of candy. He uses all the candy to fill each bag completely. How many bags does Ishaan fill with bulk candy?

What is the data's unit of measure?



Preview

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answer: _____



Are $x + x + x$ and $3x$ equivalent expressions?
Explain.

Name: _____



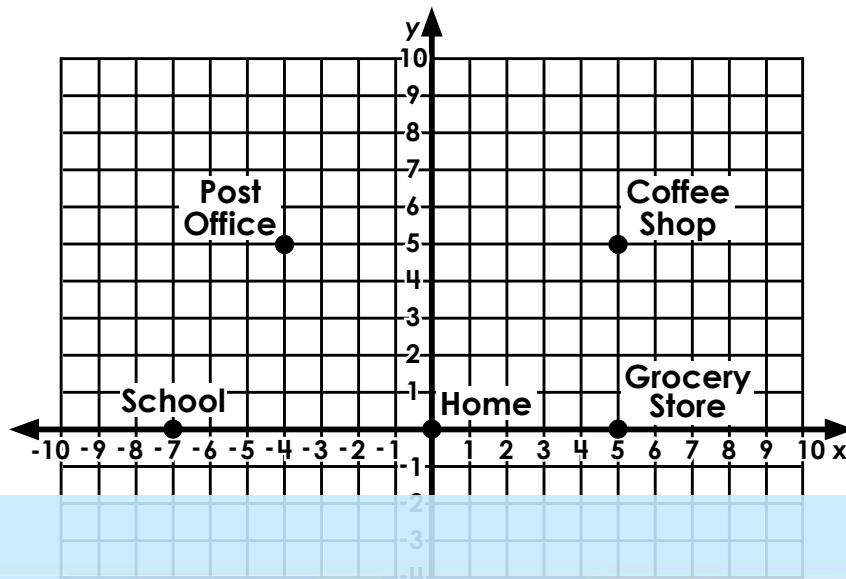
Math Buzz

A restaurant owner orders new bowls and forks based on the information below.

- bowls are sold in packages of 12
- forks are sold in packages of 9

The restaurant owner orders an **equal** number of bowls and forks. What is the **least** number of packages of bowls and packages of forks they should order to have an **equal** number of bowls and forks?

Write **true** or **false** on each line.



Preview

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The distance between the home and the school can be found by finding $|-7|$. _____

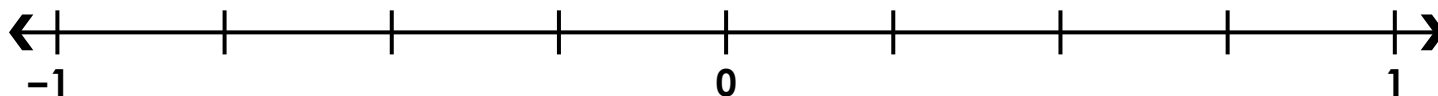
The distance between the school and the bank can be found by finding $|-6|$. _____

The distance between the home and the library can be found by finding $|-8|$. _____

Use the number line to determine which sign makes the comparison true.

$$-\frac{3}{4} < \frac{1}{4}$$

$$-\frac{3}{4} > \frac{1}{4}$$





How many $\frac{1}{6}$ are in $\frac{2}{3}$?

$$\frac{2}{3} \div \frac{1}{6} = \frac{2}{3} \times \frac{6}{1} = \frac{12}{3} = 4$$

answer: 4

At the end of 12 months, what is the difference between the amount of money Ava saved and the amount Journey saved?

$$480 - 420 = 60$$

The area of the rug is 48 square feet. Write and solve an equation to determine the value of x.

equation: $3x \times 8 = 48$

x = 2

The ratio of number of yards to number of miles is 5,280: 3. How many yards are in 7 miles?

$$5,280 \div 3 = 1,760$$

$$1,760 \times 7 = 12,320$$

answer: 12,320 yards

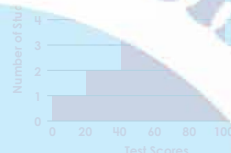
A shoe box is the shape of a right rectangular prism. The shoe box is 13 inches long, $7\frac{1}{2}$ inches wide, and $4\frac{1}{2}$ inches high. What is the volume, in cubic inches, of the shoe box? Write your answer as a mixed number.

$$V = lwh = (13)(7\frac{1}{2})(4\frac{1}{2}) = \frac{1755}{4} = 438\frac{3}{4}$$

answer: $438\frac{3}{4}$ cubic inches

Complete the table.

milli	5.6	6.5
-------	-----	-----



Histograms may vary.

One morning the temperature in Fairbanks, Alaska was -35°F and 64°F in Orlando, Florida. How many degrees warmer was it in Orlando than Fairbanks on that morning? Use absolute value to solve.

$$|64| + |-35| = 99$$

99°F



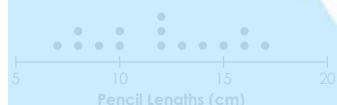
Preview

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

$$-4 < -3$$

answer: 140 square feet

Class Pencil Lengths



What tool was used to collect the data?

ruler/tape measure

What is the data's unit of measure?

centimeters

Mr. Li purchases $1\frac{1}{3}$ pounds of bulk candy and puts it into bags. Each bag holds $\frac{1}{4}$ pound of candy. He has 8 bags.

answer: 8 bags

Mrs. Li makes pink paint by mixing 3 quarts of red paint with 2 quarts of white paint. How much pink paint can Mrs. Li make with 6 quarts of red paint and 4 quarts of white paint?

answer: 20 cups

Which expressions are equivalent to $x + x + x$ and $3x$ equivalent expressions? Explain.

Answers will vary but should indicate they are equivalent expressions regardless of which number x stands for.

The restaurant owner orders an **equal** number of bowls and forks. What is the **least** number of packages of bowls and packages of forks they should order to have an **equal** number of bowls and forks?

bowls: 12, 24, 36

forks: 9, 18, 27, 36

3 packages of bowls

4 packages of forks

The distance between the home and the school can be found by finding $|-7|$.

true

The distance between the school and the bank can be found by finding $|-6|$.

true

The distance between the home and the library can be found by finding $|-8|$.

false

Multiply.

$$\begin{array}{r} 86 \\ \times 34 \\ \hline 344 \\ + 2,580 \\ \hline 2,924 \end{array}$$

Use the number line to determine which sign makes the comparison true.

