

Name: _____



Math Buzz

Draw a model to represent the ratio of 4 stars to 3 smiley faces.

Camila is baking for her school's bake sale. She has 48 snickerdoodle cookies to put into bags. How many bags can she fill if she puts an equal number in each bag and uses them all? Find all the possibilities.

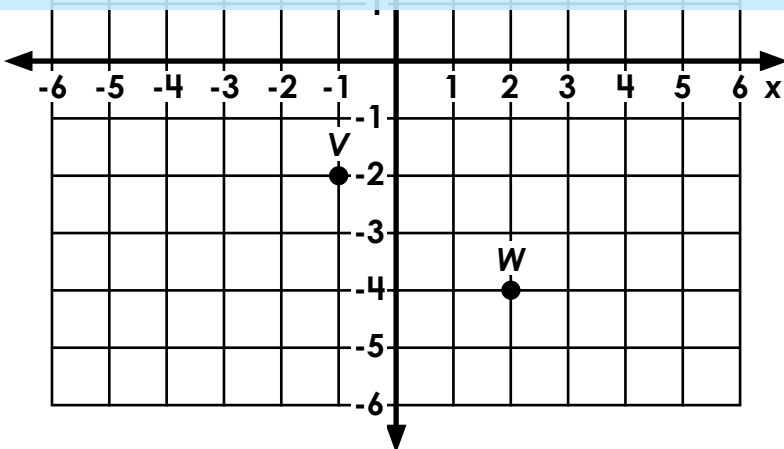
Number of Bags	Number of Cookies in Each Bag
48	1

Points T, U, V, and W are plotted on the



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Point T _____

Point U _____

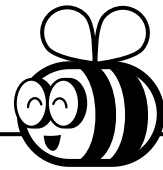
Point V _____

Point W _____

Divide.

$$\frac{1}{4} \div 3 = \underline{\hspace{2cm}}$$

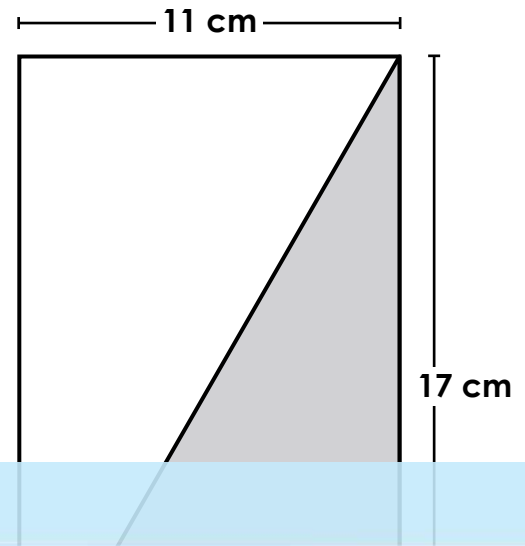
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Math Buzz

Write a division word problem for $35 \div 4$ where the answer is a mixed number. Then solve your problem.

A partially shaded rectangle is shown.



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determining the number of fingers
Daviance has.

answer: _____

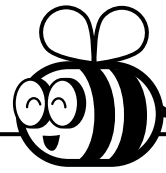


Use the model to help you divide.

1			
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$

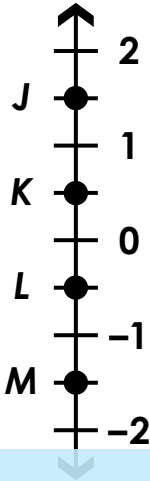
$$1 \div \frac{1}{4} = \underline{\hspace{2cm}}$$

Name: _____



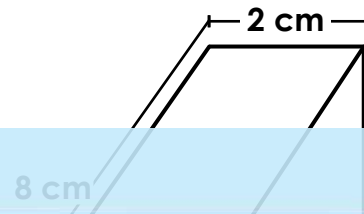
Math Buzz

A number line with points J , K , L , and M is shown below.



Write an expression that represents the phrase
"7 more than the product of 3 and z ."

Two right rectangular prisms were combined to make the figure shown below. What is the total volume, in cubic centimeters, of the figure?



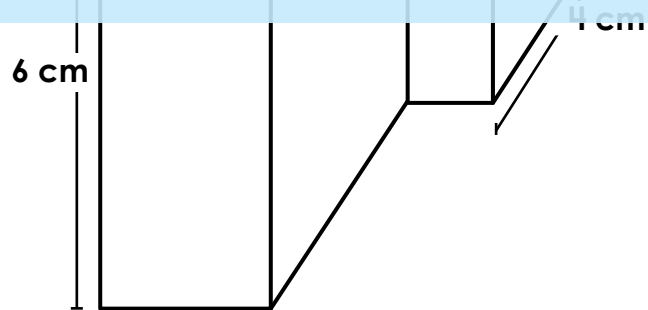
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Which point represents the
location of the value $-\frac{1}{2}$? _____

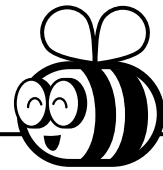
A baker has $\frac{1}{6}$ of a box of corn muffin
mix. She pours all the corn muffin mix
equally into 4 bowls. What fraction of
the box of corn muffin mix is in each
bowl?

answer: _____



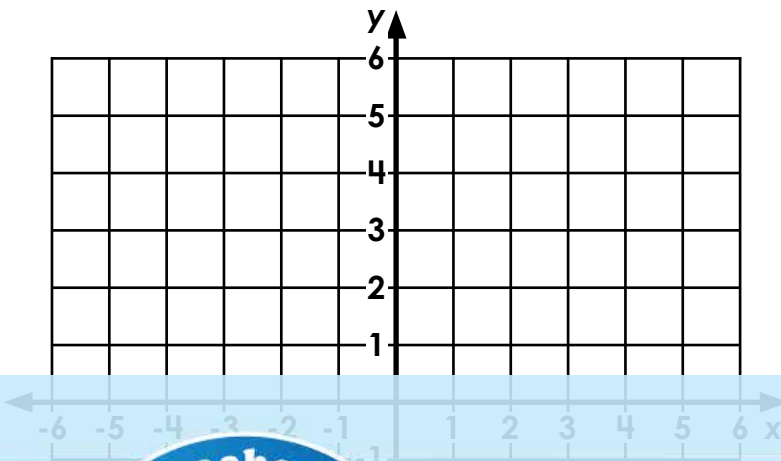
answer: _____

Name: _____



Math Buzz

Naiajia uses the coordinate plane below to represent the locations of the vegetable patches in her garden. Each unit on the coordinate plane represents 1 meter.



Elijah bought 390 rolls of toilet paper at a wholesale store that he hopes will last him the entire year. What is the ratio of the rolls of toilet paper Elijah bought to months in a year? Write your answer as a fraction.

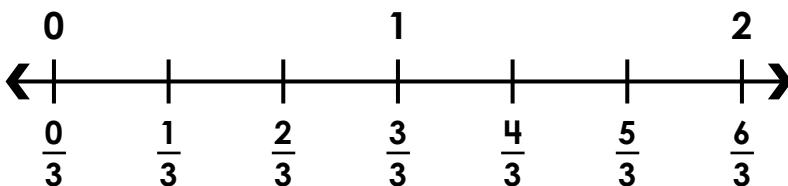


Preview

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What is the shortest distance, in meters, from the green beans to the potatoes?

Use the model to help you divide.



$$2 \div \frac{1}{3} = \underline{\hspace{2cm}}$$

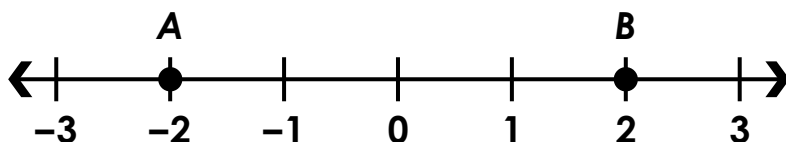
is the relationship between n , the number of tickets Evelyn buys, and c , the total cost? Be sure to identify which variable is independent and which variable is dependent in your answer.



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The number line shows two points.



What is point **A**'s distance from 0? _____

What is point **B**'s distance from 0? _____

Are the distances from 0 the same or different for each point? _____

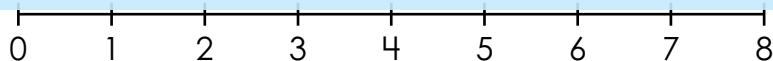
A hot chips manufacturer puts 45 chips in each small bag. If their automatic factory makes 500,000 chips per hour, how many small bags of hot chips are made per hour? Include a remainder in your answer.

A class recorded the number of siblings everyone has.



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Number of Siblings



Draw a model to represent the ratio of 4 stars to 3 smiley faces.



Number of Bags	Number of Cookies in Each Bag
48	1
24	2
16	3
12	4
8	6
6	8
4	12
3	16
2	24
1	48

Points **T**, **U**, **V**, and **W** are plotted on the coordinate plane.

Point **T** (-3, 2)

Point **U** (1, 4)

Point **V** (-1, -2)

Point **W** (2, -4)

Divide.

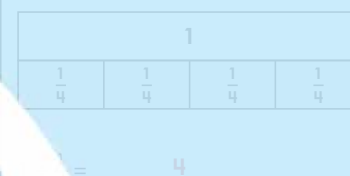
$$\frac{1}{4} \div 3 = \frac{1}{12}$$

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

Write a division word problem for $35 \div 4$ where the answer is a mixed number. Then solve your problem.
Answers may vary.

What is the area of the rectangle below?
The rectangle has a length of 10 centimeters and a width of 9.35 centimeters.
93.5 square centimeters

Use the model to help you divide.



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location of the value.

answer: **104 cubic centimeters**

Naijia uses the coordinate plane below to represent the locations of vegetable patches in her garden. Each unit on the coordinate plane represents 1 meter.

What is the shortest distance, in meters, from the green beans to the potatoes?

4 meters

Evelyn needs a ticket every time she rides a ride at a local carnival. The equation $c = 6.50t$ shows the relationship between the number of tickets Evelyn buys (c) and the number of rides she takes (t). What is the total cost of 8 tickets?

52.00
The dependent variable is c and the independent variable is t .



$$2 \div \frac{1}{3} = 6$$

What is point **A**'s distance from 0?

2

What is point **B**'s distance from 0?

2

Are the distances from 0 the same or different for each point?

the same

A hot chips manufacturer puts 45 chips in each small bag. If their automatic factory makes 500,000 chips per hour, how many small bags of hot chips are made per hour? Include a remainder in your answer.

$$500,000 \div 45 = 11,111 \text{ R } 5$$

answer: **11,111 R 5 small bags**

A class recorded the number of siblings everyone in the class has in the dot plot below. Are there any striking deviations (a data point very different than the rest) from the overall pattern? Explain.

Yes, having 8 siblings is far away from the rest of the data collected.

Draw a model to show why $0.5 \times 10 = 5$.



Models may vary.