

Name: _____

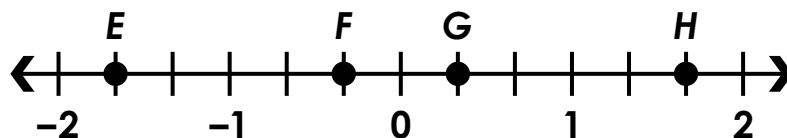


Math Buzz

Charlotte is building a birdfeeder. She cuts a 4-yard board into sections that are each $\frac{1}{4}$ yard. How many sections of the board will Charlotte have when she is finished cutting?

answer: _____

A number line with points *E*, *F*, *G*, and *H* is shown below.



What point represents the location of the value $-1\frac{2}{3}$? _____

What point represents the location of the value $1\frac{2}{3}$? _____

After looking at the middle school soccer league results this year,



Preview

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location of the value $-\frac{1}{3}$? _____



Rewrite the expressions as powers of 10 with exponents.

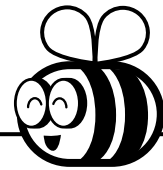
$10 \times 10 \times 10$ _____

$10 \times 10 \times 10 \times 10 \times 10$ _____

10×10 _____

$10 \times 10 \times 10 \times 10 \times 10 \times 10$ _____

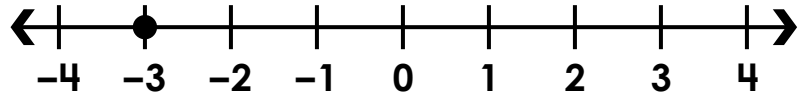
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Math Buzz

Koa says the expression that represents the phrase "multiply 7 by 9, then subtract c from the result" is $c - 7(9)$. Is he correct? Explain.

The number line shows a point at -3 .



What is the point's distance from 0? _____

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

A box of macaroni and cheese makes 3 cups of macaroni and cheese.



Preview

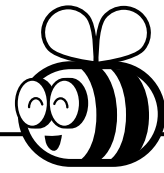
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answer: _____



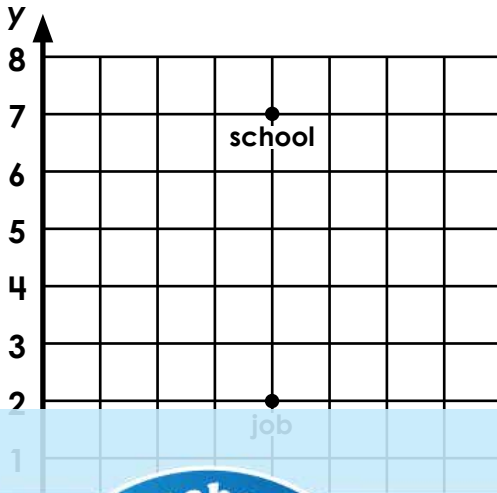
answer: _____

Name: _____

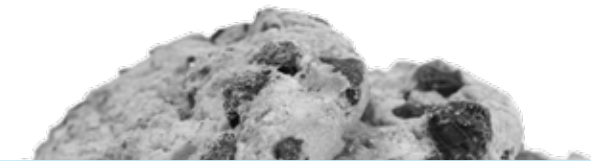


Math Buzz

The location of Shamiera's job and school are represented on the coordinate plane shown below.



Mrs. Cooke owns a bakery. She bakes 520 cookies each day. Write an equation that can be used to determine the number of cookies, c , Mrs. Cooke bakes for any number of days, d .



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The perimeter of an equilateral triangle is $\frac{1}{6}$ unit. What is the length, in units, of each side of the triangle?

answer: _____

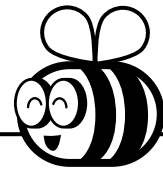
The expression $4(2 + 5)$ is a _____ of two _____.

A _____ is the number in front of the variable.

$(3 + 2)$ is the _____ of two _____.

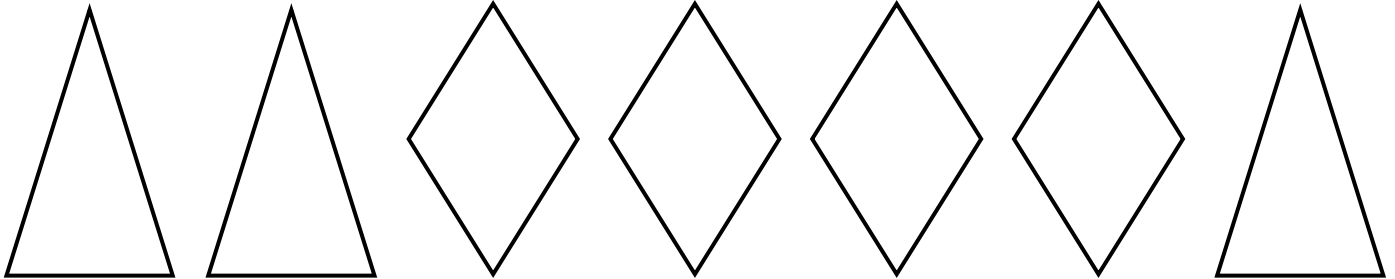
The _____ is the answer to a division equation.

Name: _____



Math Buzz

What is the ratio of the number of triangles to the total number of shapes?



answer: _____

Use the greatest common factor to write an expression using the form $a(b + c)$ to factor the following expressions.

Lucus has \$13 dollars to divide equally between his 4 children. How much money will each child receive?



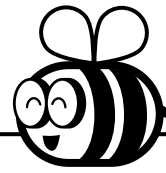
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Use the model to help you divide.

$$4 \div \frac{1}{5} = \underline{\hspace{2cm}}$$

Name: _____

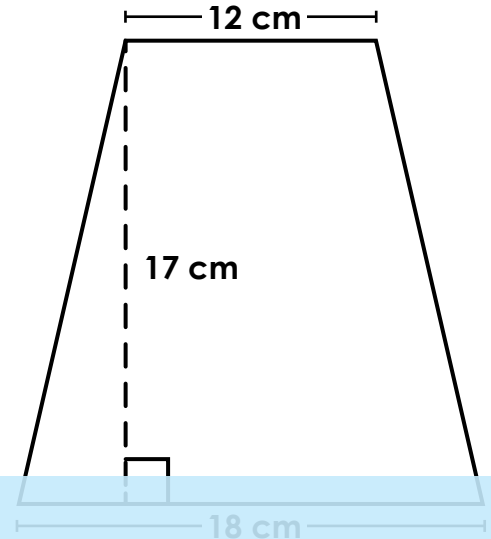


Math Buzz

Divide.

$$1,326 \div 78 = \underline{\hspace{2cm}}$$

An isosceles trapezoid is shown below.

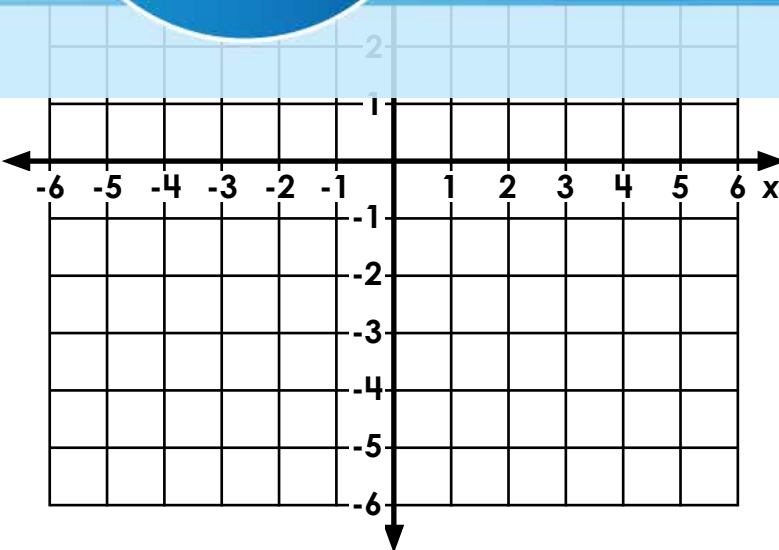


For each colored pair, draw and label it.



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Point A (3, 0)

Point B (-3, -1)

Point C (-2, 3)

Point D (2, -5)

answer: _____

Santiago made 30 peanut butter and jelly sandwiches with an 18-ounce jar of jelly. How many ounces of jelly per sandwich is that? Write your answer as a fraction.

answer: _____



Charlotte is building a birdfeeder. She cuts a 4-yard board into sections that are each $\frac{1}{4}$ yard. How many sections of the board will Charlotte have when she is finished cutting?

$$4 \div \frac{1}{4} = 16$$

answer: **16 sections**

What point represents the location of the value $-1\frac{2}{3}$? **E**

What point represents the location of the value $1\frac{2}{3}$? **H**

What point represents the location of the value $\frac{1}{3}$? **G**

What point represents the location of the value $-\frac{1}{3}$? **F**

After looking at the middle school soccer league's results this year, Xia noticed the Lions won **g** games this year. The Tigers won 3 times the number of games as the Lions. Write an expression that shows how many games the Tigers won.

$$3g$$

Rewrite the expressions as powers of 10 with exponents.

$$10 \times 10 \times 10 = 10^3$$

$$10 \times 10 \times 10 \times 10 \times 10 = 10^5$$

$$10 \times 10 = 10^2$$

$$10 \times 10 \times 10 \times 10 \times 10 \times 10 = 10^6$$

Koa says the expression that represents the phrase "multiply 7 by 9, then subtract c from the result" is $c - 7(9)$. Is he correct? Explain.

No, Koa is not correct because the correct expression is $7(9) - c$. Koa put the c - in the wrong place.

The number line below shows the distance from 0?



Three rectangular boxes were shown. The dimensions of the boxes were 6 cm by 3 cm by 4 cm. What is the total volume of the three boxes?

$$V = lwh = (6)(3)(4) = 72$$

$$36 + 72 = 108$$

answer: **108 cubic centimeters**

A box of macaroni and cheese makes 3 cups of prepared noodles. Each serving of macaroni and cheese is $\frac{1}{2}$ cup. How many servings of macaroni and cheese are there in the package? Draw a model to show your answer.

answer: **6 servings**



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What is the ratio of the number of triangles to the total number of shapes?



answer: **3:7 or $\frac{3}{7}$ or 3 to 7**

Write an expression using the form $a + 2b$ for the following.

$$13 + 22$$

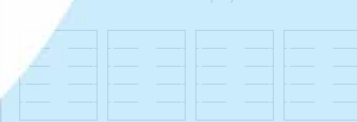
b. 4

c. $15 + 9$

d. $65 + 26$

Lucas has \$13 dollars to divide equally between his 4 children. How much money will each child receive?

Draw a model to help you divide.

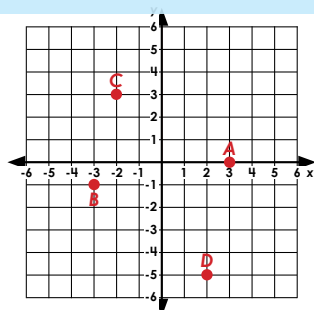


$$4 \div \frac{1}{5} = 20$$

answer: **\$3.25**

Divide.

$$1,326 \div 78 = 17$$



What is the area, in square centimeters, of the isosceles trapezoid?

$$A = lw = 12 \times 17 = 204$$

$$A = \frac{1}{2}bh = \frac{1}{2}(3)(17) = 25.5$$

$$25.5 \times 2 = 51$$

$$204 + 51 = 255$$

answer: **255 square centimeters**

Santiago made 30 peanut butter and jelly sandwiches with an 18-ounce jar of jelly. How many ounces of jelly per sandwich is that? Write your answer as a fraction.

$$\text{answer: } \frac{18}{30} \text{ or } \frac{3}{5} \text{ ounces}$$