

Name: _____



Math Buzz

Circle the composite numbers.

67 72 15 29 45 55

49 84 7 21 11 90

What fraction of the numbers are composite?
Simplify if possible.

answer: _____

Add. Simplify if possible.

$$6\frac{3}{4} + 8\frac{2}{5} = \underline{\hspace{2cm}}$$

$$\begin{array}{r} 8\frac{5}{6} \\ + 7\frac{11}{18} \\ \hline \end{array}$$

The line plot below shows the amounts of different colored dyes Ally used for tie-dyeing, in milliliters.



Amount of Dye (in milliliters)

How many colors did Ally make for tie-dyeing in all? _____

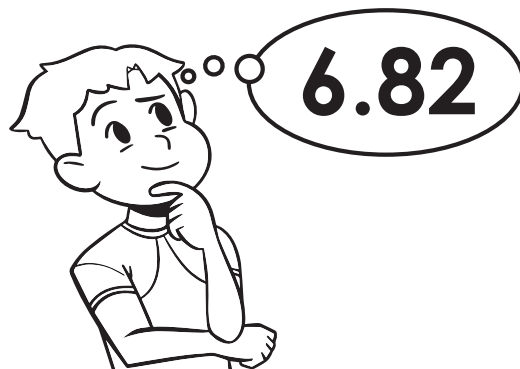
There are 2 colors that had $7\frac{1}{2}$ milliliters of dye.
How many milliliters of dye are those 2 colors combined? Simplify if possible.
_____What is the difference between the colors with the most amount of dye and the least?
Simplify if possible.

Preview

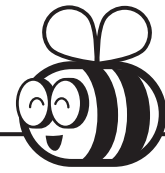
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Write the decimal in word form.

6.82



Name: _____



Math Buzz

Use the rule to write the next five numbers in the pattern.

Rule: Multiply by 4

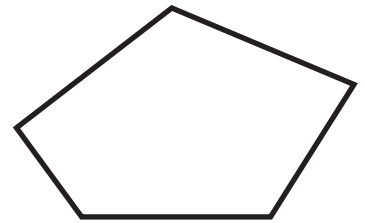
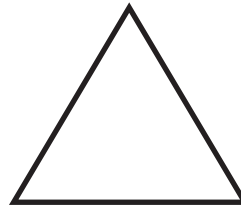
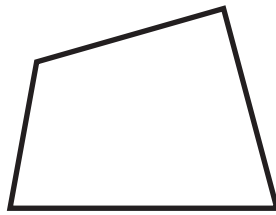
6, _____, _____, _____, _____, _____

Compare using $>$, $<$, or $=$.

$$\frac{5}{6} \quad \bigcirc \quad \frac{3}{4}$$

$$3 \quad \bigcirc \quad 15$$

Color the regular polygons **blue**.
Color the irregular polygons **red**.



at Letchworth State Park.

Preview

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Letchworth State Park Attractions

Trout Pond..... $\frac{5}{8}$ mile

Lee's Landing..... 1 mile

Smokey Hollow..... $2\frac{1}{4}$ miles

Highbanks..... $4\frac{3}{4}$ miles

How much farther is Smokey Hollow than Trout Pond from the sign? Simplify if possible.

answer: _____



Name: _____

Math Buzz

Subtract. Simplify if possible.

$$\begin{array}{r} 10\frac{2}{3} \\ - 3\frac{4}{5} \\ \hline \end{array}$$

$$7\frac{9}{16} - 3\frac{3}{4} = \underline{\hspace{2cm}}$$

Find the difference between

$$14\frac{7}{9} \text{ and } 6\frac{3}{5}.$$

Compare using $>$, $<$, or $=$.

Metric Units of Weight

1 kilogram = 1,000 grams

20,000 grams _____ 20 kilograms

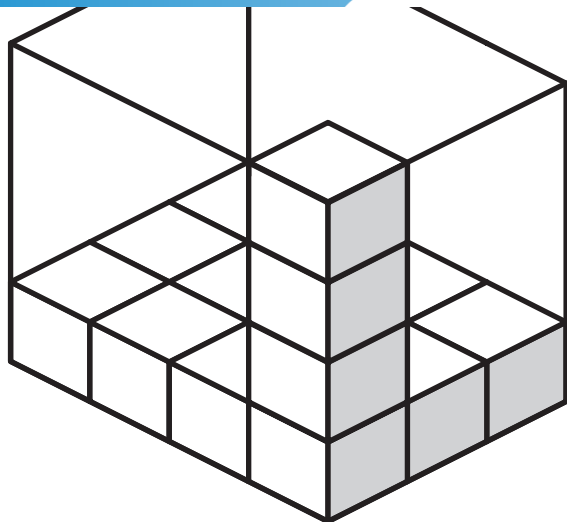
600 kilograms _____ 6,000 grams

10 kilograms _____ 20,000 grams

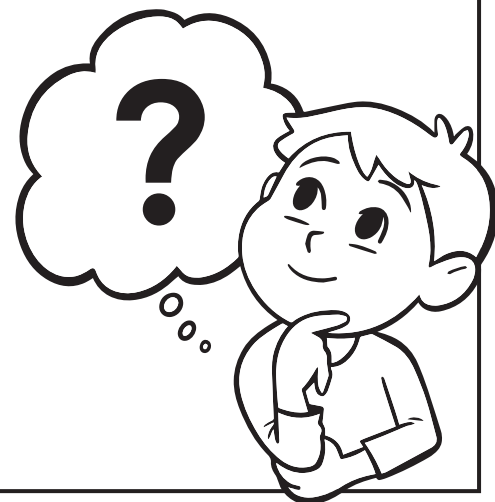


Preview

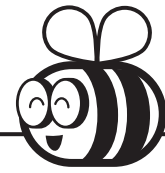
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Volume = _____ cubic units



Name: _____



Math Buzz

Evaluate each expression. Then circle whether the answer is prime or composite.

$$(28 + 45) - 14 = \underline{\hspace{2cm}}$$

prime

composite

$$16 \times (45 \div 9) = \underline{\hspace{2cm}}$$

prime

composite

Compare each expression using $>$, $<$, or $=$.

$$\frac{4}{9} + \frac{2}{9} \quad \bigcirc \quad \frac{8}{9}$$

Find the unknown measure of the rectangle. Then find the perimeter.

?



Preview

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$$\frac{6}{15} + \frac{2}{15} + \frac{3}{15} \quad \bigcirc \quad \frac{11}{15}$$

Fill in the missing numbers to complete each sentence.

450,000 is 10 times as much as _____.

8,200 is $\frac{1}{10}$ of _____.

Perimeter = 58 m

Missing Side Length = _____ m

Area = _____ square m

Name: _____



Math Buzz

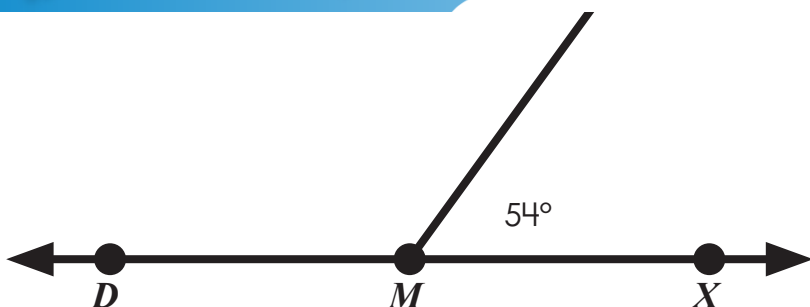
Complete the chart.

Exponent Form	Expanded Form	Standard Form
10^6	$10 \times 10 \times 10 \times 10 \times 10 \times 10$	1,000,000
10^7	$10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$	
10^8		100,000,000
	$10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$	1,000,000,000

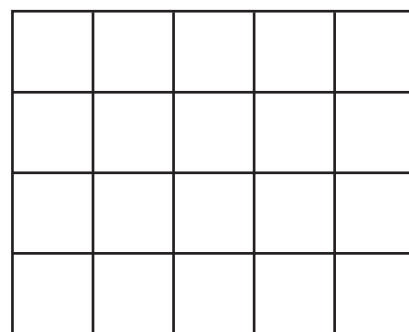


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$$\angle DMJ = \underline{\hspace{2cm}}$$



Multiply. Simplify if possible.

$$\frac{1}{6} \times 7 = \underline{\hspace{2cm}}$$

$$15 \times \frac{1}{8} = \underline{\hspace{2cm}}$$

$$9 \times \frac{1}{12} = \underline{\hspace{2cm}}$$



Circle the composite numbers.

67 **72** **15** 29 **45** **55**
49 **84** 7 **21** 11 **90**

What fraction of the numbers are composite? Simplify if possible.

answer: $\frac{8}{12} = \frac{2}{3}$

Add. Simplify if possible.

$$8 \frac{5}{6} + 7 \frac{11}{18} = 15 \frac{3}{20} + 7 \frac{11}{18} = 16 \frac{4}{9}$$

Find the sum of $2 \frac{1}{3}$ and $4 \frac{6}{8}$.

$7 \frac{1}{12}$

How many colors did Ally make for tie-dyeing in all? 8

There are 2 colors that had $7 \frac{1}{2}$ milliliters of dye. How many milliliters of dye are those 2 colors combined? Simplify if possible.

15 milliliters

What is the difference between the colors with the most amount of dye and the least? Simplify if possible.

$2 \frac{1}{2}$ milliliters

Write the decimal in standard form.

four and three tenths

4.3

Write the decimal in word form.

6.82

six and eighty-two hundredths

Use the rule to write the next five numbers in the pattern.

Rule: Multiply by 4

6, 24, 96,
384, 1,536, 6,144

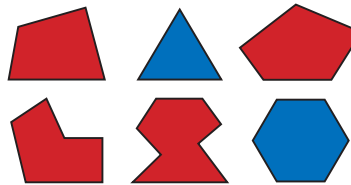
Compare using >, <, or =.

$\frac{5}{6} > \frac{3}{4}$

$\frac{3}{4} = \frac{15}{20}$

$3 < 4$

Color the regular polygons **blue**. Color the irregular polygons **red**.



The sign below shows the distances from the sign to different points of interest along the trail at Letchworth State Park.

How much farther is Smokey Hollow than Trout Pond from the sign? Simplify if possible.

$2 \frac{1}{4} - \frac{5}{8} = 1 \frac{5}{8}$



Preview

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45

150,000 grams > 15 kilograms

Volume = 10 cubic units

25,574

Evaluate each expression. Then circle whether the answer is prime or composite.

$(28 + 45) - 14 = \underline{59}$

prime composite

$16 \times (45 \div 9) = \underline{80}$

prime **composite**

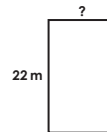
Compare each expression using >, <, or =.

$\frac{4}{9} + \frac{2}{9} < \frac{8}{9}$

$\frac{4}{5} > \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$

$\frac{6}{15} + \frac{2}{15} + \frac{3}{15} = \frac{11}{15}$

Find the unknown measure of the rectangle. Then find the perimeter.



Perimeter = 58 m

Missing Side Length = 7 m

Area = 154 square m

Fill in the missing numbers to complete each sentence.

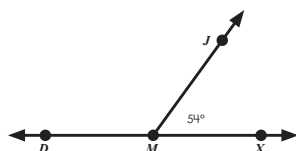
450,000 is 10 times as much as 45,000.

8,200 is $\frac{1}{10}$ of 82,000.

Complete the chart.

Exponent Form	Expanded Form	Standard Form
10^4	$10 \times 10 \times 10 \times 10 \times 10 \times 10$	1,000,000
10^7	$10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$	10,000,000
10^8	$10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$	100,000,000
10^9	$10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$	1,000,000,000
10^{10}	$10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$	10,000,000,000

If $\angle DMX$ is a straight angle, what is the measure of $\angle DMJ$?

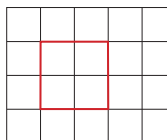


$180^\circ - 54^\circ = 126^\circ$

$\angle DMJ = \underline{126^\circ}$

Read the clues to identify and draw the polygon being described.

I am a quadrilateral with four 90° angles.



square/rectangle

Answers may vary.

Multiply. Simplify if possible.

$\frac{1}{6} \times 7 = \underline{1 \frac{1}{6}}$

$15 \times \frac{1}{8} = \underline{1 \frac{7}{8}}$

$9 \times \frac{1}{12} = \underline{\frac{3}{4}}$