



Name: \_\_\_\_\_

# Math Buzz

Multiply.

$$\begin{array}{r} 4,637 \\ \times \quad 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6,138 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7,233 \\ \times \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5,236 \\ \times \quad 5 \\ \hline \end{array}$$

What is the rule for the pattern shown below?

**3, 9, 27, 81, 243, ...**

- a. Add 3                      c. Add 4
- b. Multiply by 3            d. Multiply by 4

Complete the table.

Days	1	3	5	7



# Preview

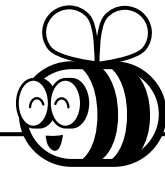
Please log in to download  
the printable version of this worksheet.


$$\frac{3}{9} = \frac{3 \div 3}{9 \div 3} = \frac{\square}{\square}$$

$\overleftrightarrow{KL}$  parallel to  $\overleftrightarrow{MN}$ .

$\overleftrightarrow{GH}$  perpendicular and intersecting  $\overleftrightarrow{KL}$  at Point  $P$   
and  $\overleftrightarrow{MN}$  at Point  $Q$ .

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# Math Buzz

Divide.

	4	9	4	4	

Use the model to find the product.

$$34 \times 18 = \underline{\hspace{2cm}}$$

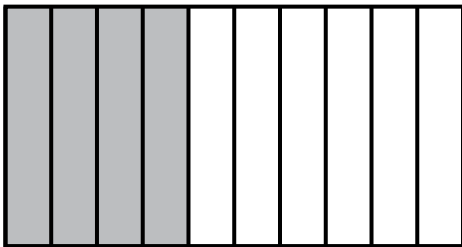
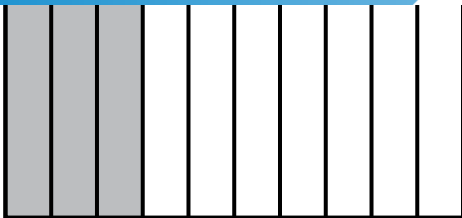
	30	4
10	$10 \times 30 = \square$	$10 \times 4 = \square$
8	$8 \times 30 = \square$	$8 \times 4 = \square$

$$\square + \square + \square + \square = \underline{\hspace{2cm}}$$

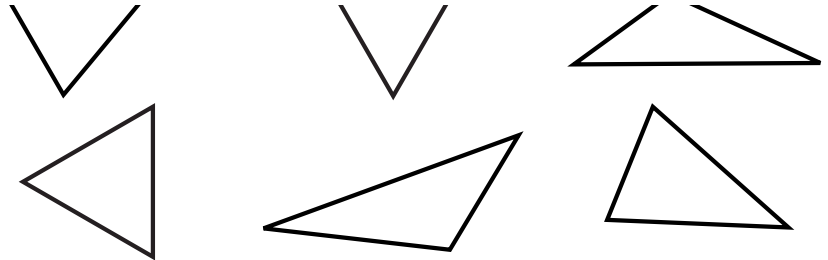


# Preview

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$$\frac{3}{10} + \frac{4}{10} = \frac{\square}{\square}$$



The aquarium has a capacity of 1,184 people. They were at capacity for the past 7 days. Write an equation that can be used to find  $v$ , the number of visitors over the past week. Then solve to find how many visitors there were.

$$v = \underline{\hspace{2cm}} \text{ visitors}$$

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# Math Buzz

Multiply.

$$5,341 \times 3 = \underline{\hspace{2cm}}$$

$$7,718 \times 6 = \underline{\hspace{2cm}}$$

$$9,291 \times 2 = \underline{\hspace{2cm}}$$

$$8,146 \times 9 = \underline{\hspace{2cm}}$$

What is the rule for the pattern shown below?

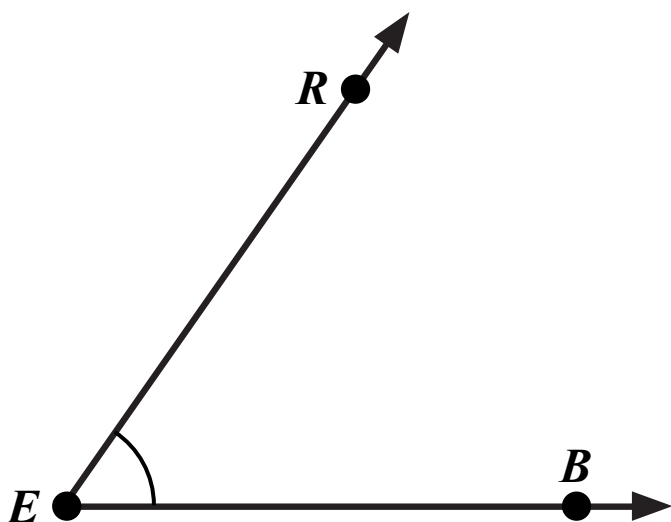
**2, 12, 9, 19, 16, 26, 23, ...**

- a. Add 15, then subtract 2
- b. Add 2, then subtract 15
- c. Add 3, then subtract 10
- d. Add 10, then subtract 3



# Preview

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 $\angle REB = \underline{\hspace{1cm}}^\circ$ 


$$\frac{3}{12} = \frac{3 \div 3}{12 \div 3} = \frac{\square}{\square}$$

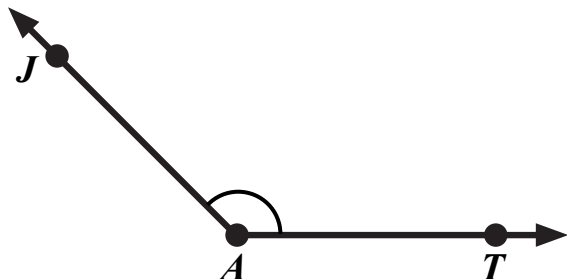




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## Math Buzz

Use a protractor to measure the angle.



$$\angle JAT = \underline{\hspace{2cm}}^\circ$$

Multiply.

What is 3 times as many as 4,954?

\_\_\_\_\_

Find the product of 5,189 and 6.

\_\_\_\_\_

Use division to write an equivalent fraction in simplest form. Use the model to help.

Dani uses  $\frac{1}{4}$  of a cup of milk in her breakfast smoothie every day. Write an expression that can be used to find the total number of cups of milk Dani uses after 3 days.



# Preview

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He uses to make it. Use the data from the chart to complete the line plot and answer the questions.

Ingredients	Cups
peanuts	$2\frac{3}{4}$
cashews	$1\frac{1}{2}$
chocolate chips	$2\frac{1}{2}$
raisins	$1\frac{1}{4}$
dried cranberries	$1\frac{1}{4}$

### Cups of Ingredients for Trail Mix

key: X = 1 ingredient



How many ingredients used more than  $1\frac{1}{2}$  cups? \_\_\_\_\_

How many ingredients used less than  $1\frac{1}{2}$  cups? \_\_\_\_\_



Multiply.

$$\begin{array}{r} 525 \\ 4637 \\ \times 8 \\ \hline 37,096 \end{array}$$

$$\begin{array}{r} 13 \\ 6,138 \\ \times 4 \\ \hline 24,552 \end{array}$$

$$\begin{array}{r} 122 \\ 7,233 \\ \times 7 \\ \hline 50,631 \end{array}$$

$$\begin{array}{r} 113 \\ 5,236 \\ \times 5 \\ \hline 26,180 \end{array}$$

What is the rule for the pattern shown below?

3, 9, 27, 81, 243, ...

a. Add 3

b. Multiply by 3

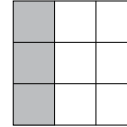
c. Add 4

d. Multiply by 4

Complete the table.

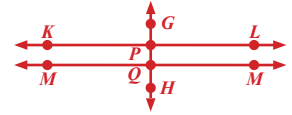
Days	1	3	5	7
Hours	24	72	120	168

Use division to write an equivalent fraction in simplest form. Use the model to help.



$$\frac{3}{9} = \frac{3 \div 3}{9 \div 3} = \frac{1}{3}$$

Draw and label the figure described.



$\overline{KL}$  parallel to  $\overline{MN}$ .  
 $\overline{GH}$  perpendicular and intersecting  $\overline{KL}$  at Point  $P$  and  $\overline{MN}$  at Point  $Q$ .

Divide.

$$\begin{array}{r} 236 \\ 4944 \\ - 8 \\ \hline 14 \\ - 12 \\ \hline 24 \\ - 24 \\ \hline 0 \end{array}$$

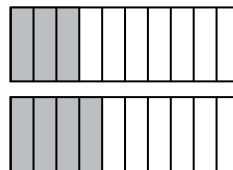
Use the model to find the product.

$$34 \times 18 = 612$$

	30	4
10	$10 \times 30 = 300$	$10 \times 4 = 40$
8	$8 \times 30 = 240$	$8 \times 4 = 32$

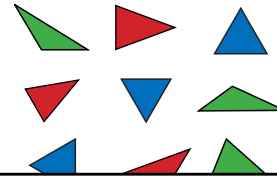
$$300 + 240 + 40 + 32 = 612$$

Find the sum. Use the model to help.



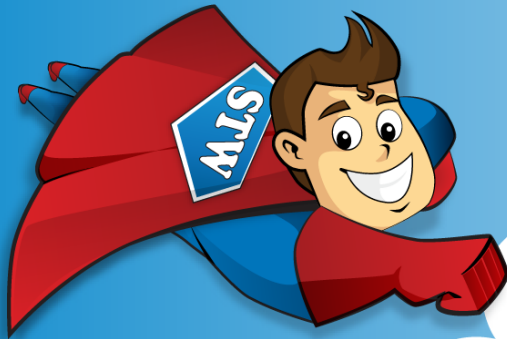
$$3 + 4 = 7$$

Color the equilateral triangles blue. Color the isosceles triangles red. Color the scalene triangles green.



The aquarium has a capacity of 1,184 people. They were at capacity for the past 7 days. Write an equation that can be used to find  $v$ , the number of visitors over the past week. Then solve to find how many visitors there were.

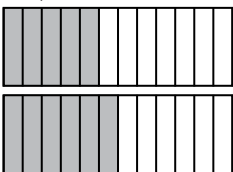
$$v = 1,184 \times 7$$



# Preview

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Find the sum. Use the model to help.



$$\frac{5}{12} + \frac{6}{12} = \frac{11}{12}$$

Name the triangle that has 3 equal sides.

$\triangle SIL$

Name the triangle that has two equal sides.

$\triangle AKJ$

Name the triangle that has no equal sides.

$\triangle XYZ$

Mr. Osorio is replacing all the tiles in room 32. The room is 14 feet long and 9 feet wide. If Mr. Osorio already has 87 one-foot square tiles, how many more one-foot square tiles does he need to completely cover the classroom floor?

$$14 \times 9 = 126$$

$$126 - 87 = 39$$

answer: 39 more tiles

Divide.

$$\begin{array}{r} 68 \\ 7476 \\ - 42 \\ \hline 56 \\ - 56 \\ \hline 0 \end{array}$$

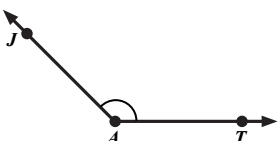
Use the model to find the product.

$$28 \times 69 = 1,932$$

	20	8
60	1,200	480
9	180	72

$$1,200 + 480 + 180 + 72 = 1,932$$

Use a protractor to measure the angle.



$$\angle JAT = 135^\circ$$

Multiply.

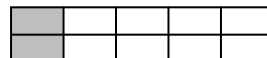
What is 3 times as many as 4,954?

$$14,862$$

Find the product of 5,189 and 6.

$$31,134$$

Use division to write an equivalent fraction in simplest form. Use the model to help.



$$\frac{2}{10} = \frac{2 \div 2}{10 \div 2} = \frac{1}{5}$$

Dani uses  $\frac{1}{4}$  of a cup of milk in her breakfast smoothie every day. Write an expression that can be used to find the total number of cups of milk Dani uses after 3 days. Then evaluate the expression.

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

answer:  $\frac{3}{4}$  cups of milk

Cups of Ingredients for Trail Mix

key: x = 1 ingredient



How many ingredients used more than  $1\frac{1}{2}$  cups? 2

How many ingredients used less than  $1\frac{1}{2}$  cups? 2