

Name: _____

Put a star by the proportions that are true.

$$\frac{8}{9} = \frac{72}{81}$$

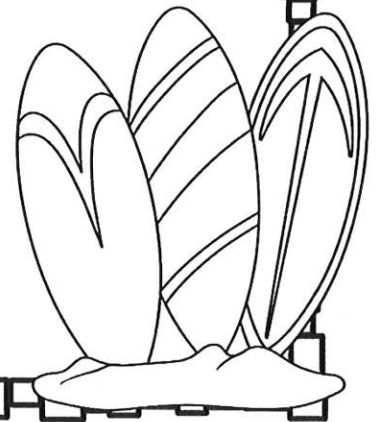
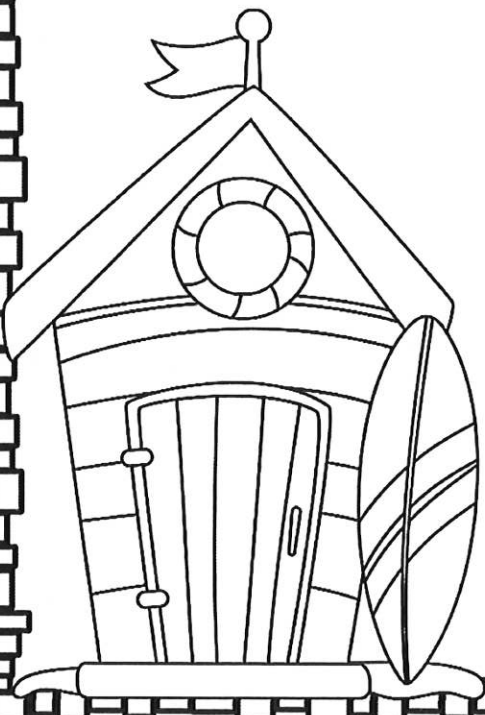
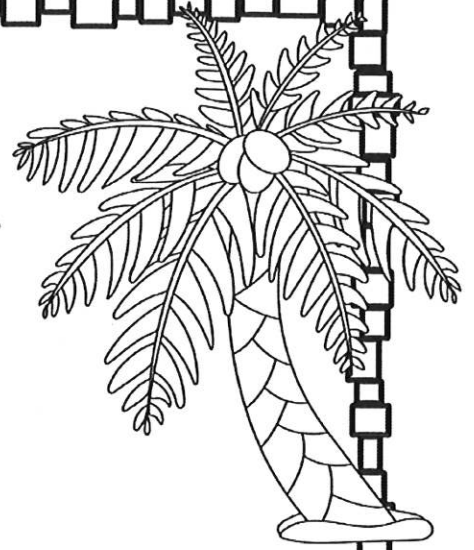
$$\frac{11}{20} = \frac{20}{24}$$

$$\frac{4}{5} = \frac{12}{20}$$

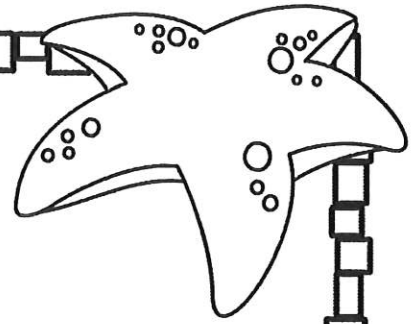
$$\frac{8}{3} = \frac{24}{9}$$

$$\frac{1}{3} = \frac{4}{9}$$

$$\frac{15}{25} = \frac{3}{5}$$



Name: _____



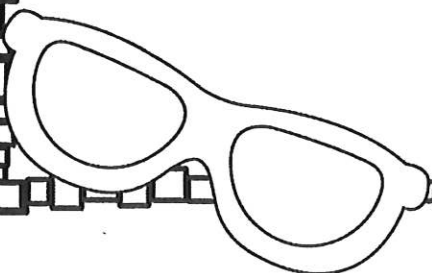
Unit Rate Problems

A fruit box subscription is \$105 for one year. What is the price per month?

A box of granola bars is \$3.44. The box has 8 bars. How much does each granola bar cost?

Our class is going on a field trip. Our class had to pay \$243.60 for all 28 of us to go. What is the cost per student?

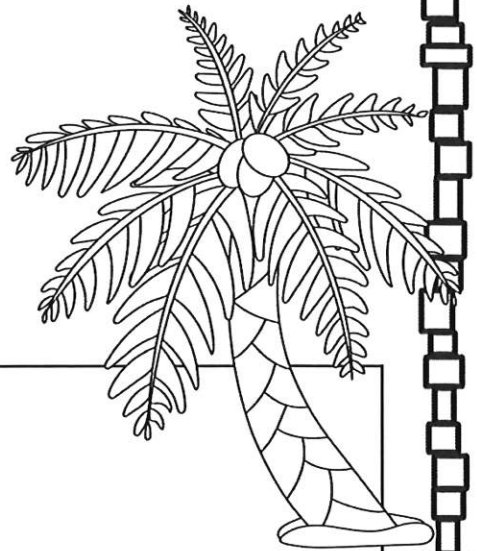
We bought a pack of drinks for \$8.28. There were 12 in the box. What is the cost per drink?



Name: _____

Unit Rate Problems

Directions: Solve each problem.

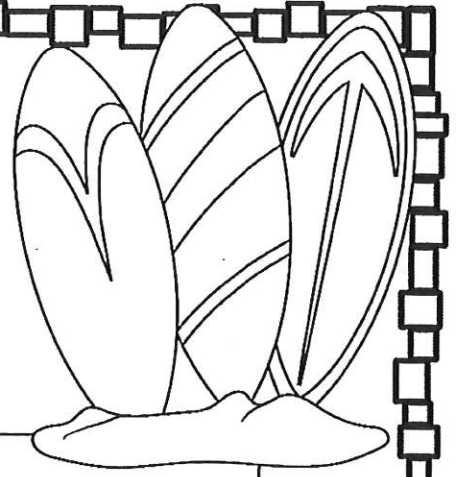


<p>We are buying apples for the school picnic. Five of the boxes weighed 150 pounds total. How many did 7 boxes weigh?</p>	
<p>A candy store sells 50 pieces of gum for every 40 pieces of taffy. The store sold 250 pieces of gum yesterday. How many pieces of taffy did they sell?</p>	
<p>On a map of our city, each inch represents 10 miles. What is the length of a road that is 4 inches long on the map?</p>	
<p>There are 32 granola bars in 4 boxes of granola bars. How many granola bars are there in 7 boxes?</p>	

Name: _____

Finding Percentages

Directions: Write the equivalent fraction for each percent.

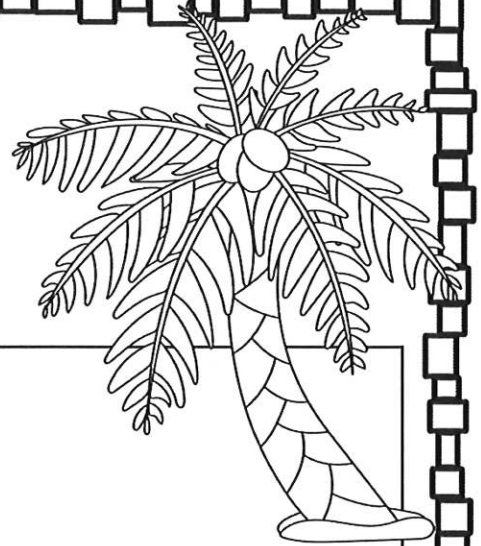


25%	
16%	
36%	
44%	
62%	
13%	
90%	
52%	

Name: _____

Finding Percentages

Directions: Solve each problem.



I bought a shirt that was \$15.
Sales tax is 7%. What is the
amount of sales tax?

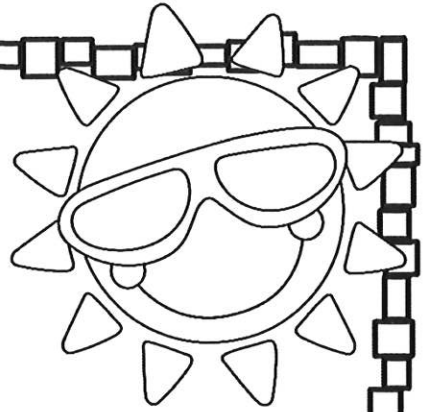
James is saving for a new phone.
It will cost \$225. The sales tax will
be 6%. What is the total price I
will pay after tax?

There are 656 students in our
school. Twenty-five percent of the
students are going to go to the
football game. How many
students are going to the football
game?

My school collected 1,200 cans in
the food drive. Sixty percent of
the cans were vegetables and the
rest were fruits. How many of
each were collected?

Name: _____

Converting Measurements



Research to complete the chart.

Units of length

_____ inches (in.) = 1 foot (ft.)

3 feet = _____ yard (yd.)

36 inches = _____ yard (yd.)

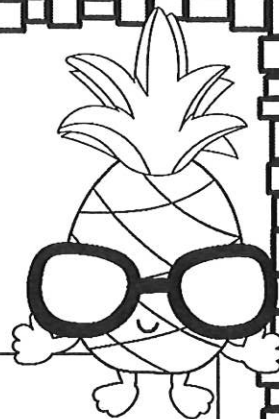
_____ feet = 1 mile (mi.)

_____ yards = 1 mile (mi.)

Name: _____

Converting Measurements

Directions: Convert each unit.



$15 \text{ yd.} = \quad \text{ft.}$

$42 \text{ ft} = \quad \text{yd.}$

$6 \text{ yd} = \quad \text{in.}$

$144 \text{ in.} = \quad \text{yd.}$

$18 \text{ in.} = \quad \text{ft.}$

$12 \text{ yd.} = \quad \text{ft.}$

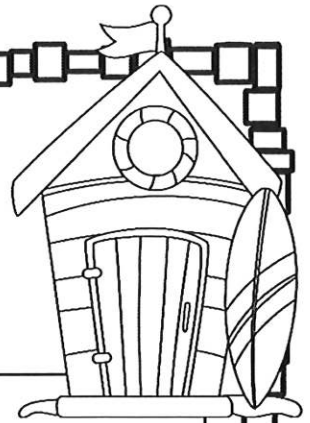
$2 \text{ yd. } 9 \text{ in.} = \quad \text{in.}$

$7 \text{ yd. } 2 \text{ ft.} = \quad \text{in.}$

Name: _____

Dividing Numbers

Directions: Write the answer to each problem.
You might need to rewrite the problem first.



$$768 \div 24 =$$

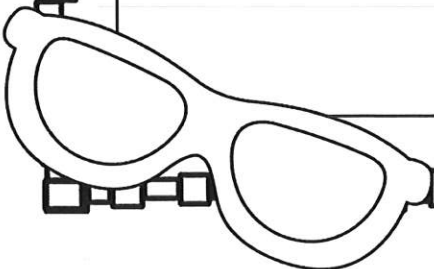
$$84 \div 12 =$$

$$615 \div 23 =$$

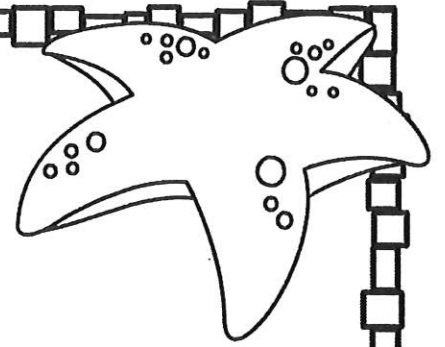
$$913 \div 31 =$$

$$529 \div 56 =$$

$$880 \div 45 =$$



Name: _____



Addition of Decimals

$$\begin{array}{r} 9.484 \\ +6.312 \\ \hline \end{array}$$

$$\begin{array}{r} 13.365 \\ +27.833 \\ \hline \end{array}$$

$$\begin{array}{r} 4.728 \\ +6.8423 \\ \hline \end{array}$$

$$\begin{array}{r} 24.456 \\ +24.842 \\ \hline \end{array}$$

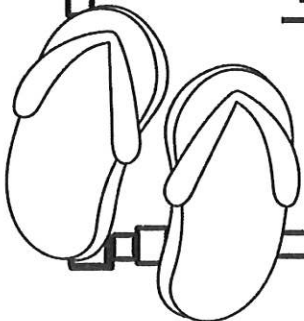
$$\begin{array}{r} 39.755 \\ +24.757 \\ \hline \end{array}$$

$$\begin{array}{r} 472.220 \\ +244.259 \\ \hline \end{array}$$

$$\begin{array}{r} 3.7 \\ 7.2 \\ +1.8 \\ \hline \end{array}$$

$$\begin{array}{r} 68.8 \\ 67.9 \\ +24.5 \\ \hline \end{array}$$

$$\begin{array}{r} 32.03 \\ 37.76 \\ +81.82 \\ \hline \end{array}$$



Name: _____

Subtraction of Decimals



$$\begin{array}{r} 8.488 \\ -6.392 \\ \hline \end{array}$$

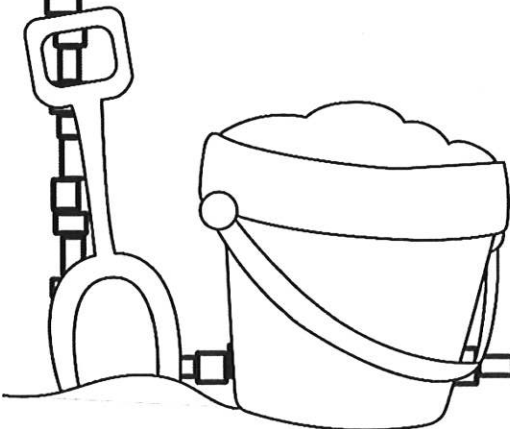
$$\begin{array}{r} 63.364 \\ -27.818 \\ \hline \end{array}$$

$$\begin{array}{r} 28.157 \\ -12.842 \\ \hline \end{array}$$

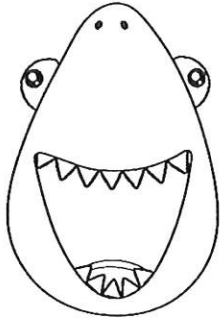
$$\begin{array}{r} 35.285 \\ -24.088 \\ \hline \end{array}$$

$$\begin{array}{r} 42.278 \\ -18.756 \\ \hline \end{array}$$

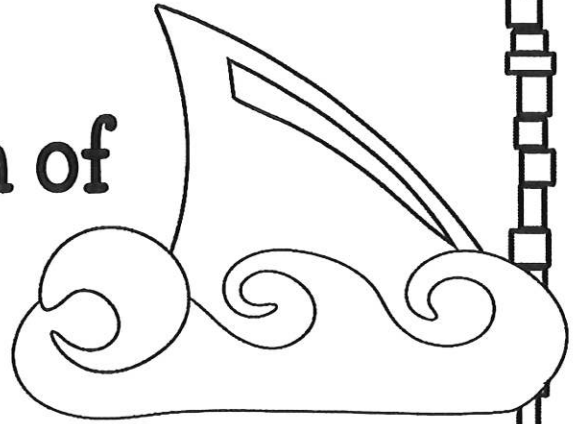
$$\begin{array}{r} 382.870 \\ -154.258 \\ \hline \end{array}$$



Name: _____



Multiplication of Decimals



$$\begin{array}{r} 0.82 \\ \times \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 0.09 \\ \times \quad 0.6 \\ \hline \end{array}$$

$$\begin{array}{r} 0.325 \\ \times \quad 0.4 \\ \hline \end{array}$$

$$\begin{array}{r} 0.73 \\ \times \quad 4.2 \\ \hline \end{array}$$

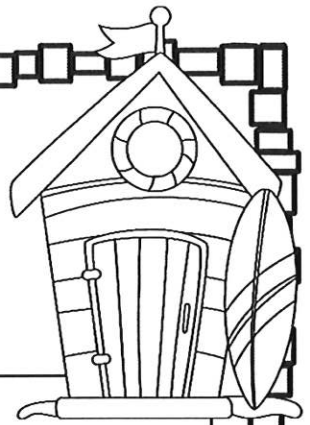
$$\begin{array}{r} 84.1 \\ \times \quad 0.74 \\ \hline \end{array}$$

$$\begin{array}{r} 0.35 \\ \times \quad 18 \\ \hline \end{array}$$

Name: _____

Division of Decimals

Directions: Write the answer to each problem.
You might need to rewrite the problem first.

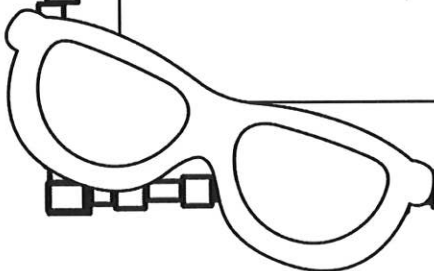


$$1.68 \div 0.03 =$$

$$2.16 \div .06 =$$

$$27.12 \div 0.06 =$$

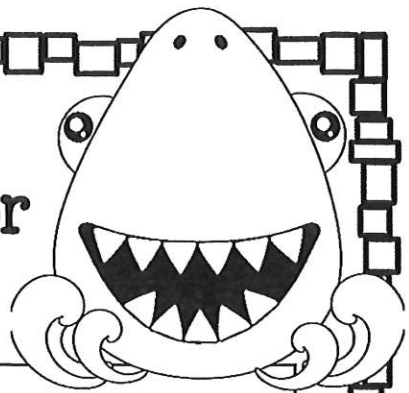
$$0.027 \div 0.3 =$$



Name: _____

Greatest Common Factor

Directions: Find the GCF for each set of numbers.



32 and 40

8

5 and 12

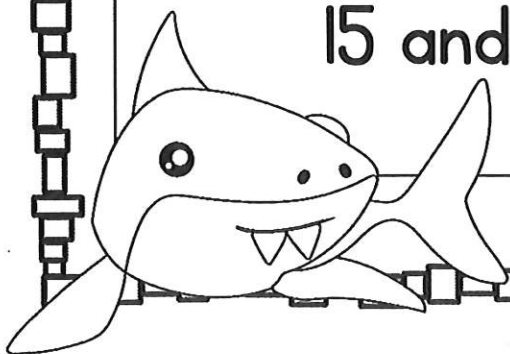
16 and 12

24 and 15

6 and 4

18 and 6

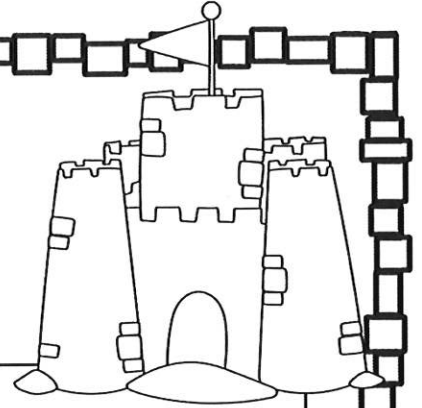
15 and 45



Name: _____

Multiples

Directions: List the Least Common Multiple.



9 and 3

9

6 and 9

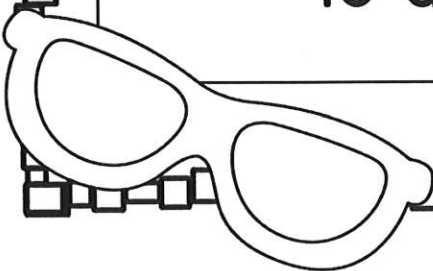
12 and 8

7 and 5

15 and 9

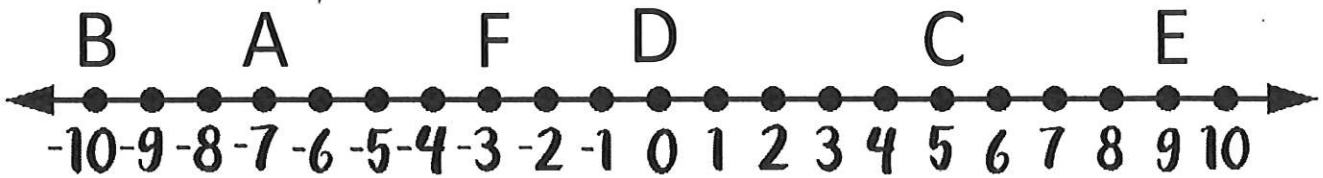
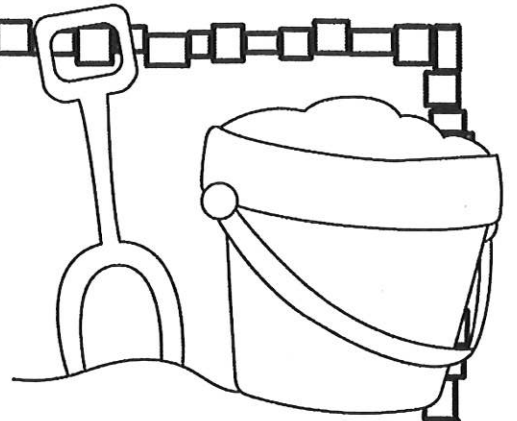
12 and 18

10 and 6



Name: _____

Positive and Negative Integers



Directions: Use integers to name each point on the number line.

A _____

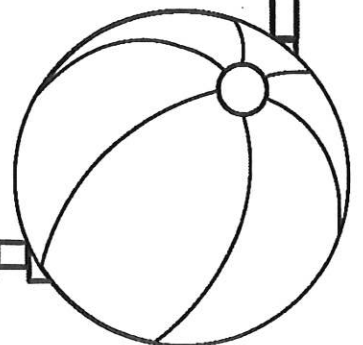
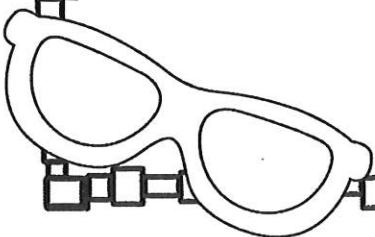
B _____

C _____

D _____

E _____

F _____



Name: _____

Use $>$, $<$ or $=$



Directions: Compare each set of numbers.
Use the correct sign.

2		-2
---	--	----

3		7
---	--	---

-7		12
----	--	----

6		-4
---	--	----

8		-10
---	--	-----

-5		-6
----	--	----

9		6
---	--	---

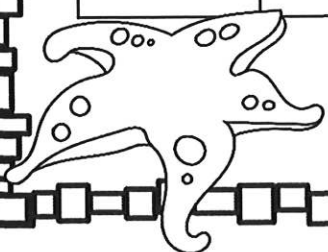
-12		-1
-----	--	----

2		-2
---	--	----

-12		-10
-----	--	-----

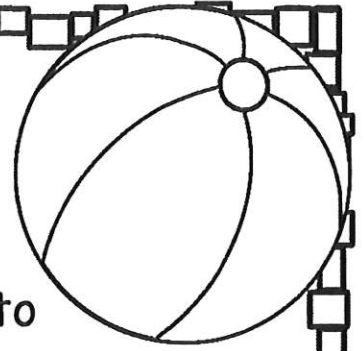
0		-4
---	--	----

13		-13
----	--	-----



Name: _____

Simplifying Expressions

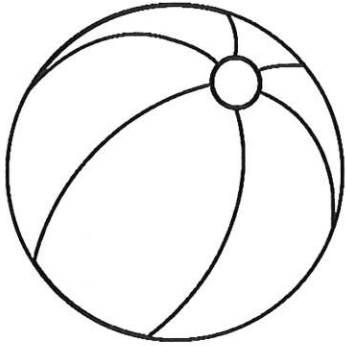


Directions: Use the order of operations to simplify each expression.

$(10 \times 9) \div 15$	
$(32 \div 4) + (10 - 9)$	
$27 - (6 \times 4)$	
$(7 \times 8) \div 2 + 6$	
$(42 \div 6) \times 9$	
$(9 + 6) \times (18 - 5)$	
$10.8 \div (5 + 4)$	
$2.4 (5 \times 4.8 - 2.9)$	

Name: _____

Solve each equation.



$$5 \times (5 - 3) = \underline{\quad}$$

$$20 - 4 \times 3 = \underline{\quad}$$

$$(7 \times 8) - (4 \times 9) = \underline{\quad}$$

$$20 \div 2 \times 5 = \underline{\quad}$$

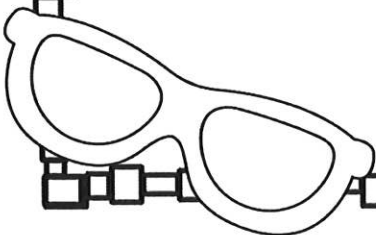
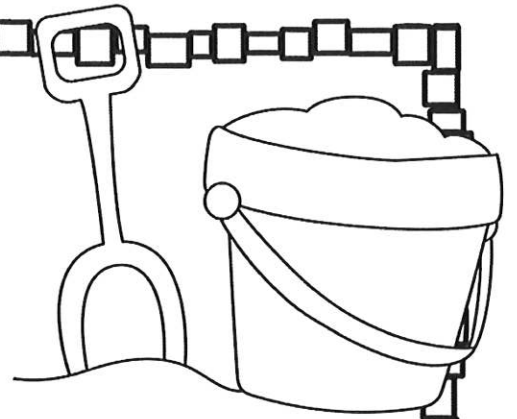
$$84 \div (8 + 6) \div 3 = \underline{\quad}$$

$$(2 \times 5) \times 4 = \underline{\quad}$$

$$(7 - 3) \times 4 = \underline{\quad}$$

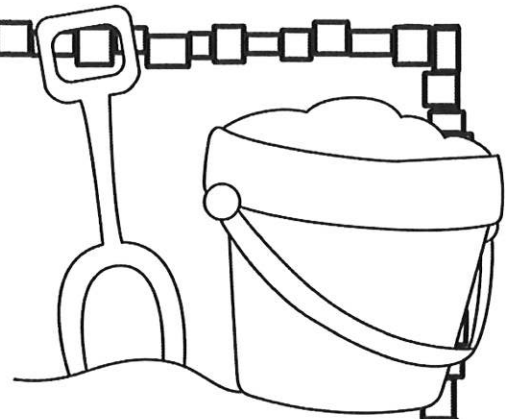
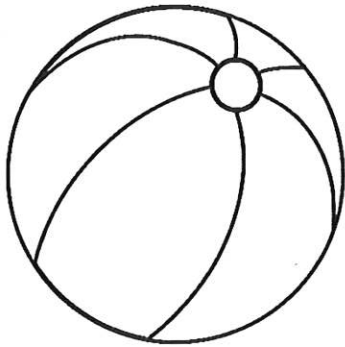
$$16 \div (12 - 4) = \underline{\quad}$$

$$7 \times 3 + 2 = \underline{\quad}$$



Name: _____

Solve each equation.



$$(3 + 1)^3 = \underline{\hspace{2cm}}$$

$$3^2 + 5^2 = \underline{\hspace{2cm}}$$

$$(2 + 5)^3 = \underline{\hspace{2cm}}$$

$$3^2 + 2^3 = \underline{\hspace{2cm}}$$

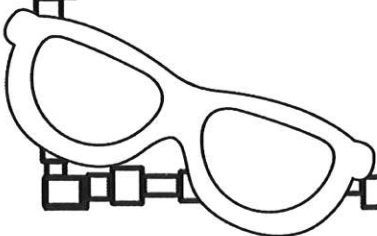
$$(4 + 2)^2 = \underline{\hspace{2cm}}$$

$$(5 - 1)^3 = \underline{\hspace{2cm}}$$

$$2^4 - 10 = \underline{\hspace{2cm}}$$

$$2^2 + 4^2 = \underline{\hspace{2cm}}$$

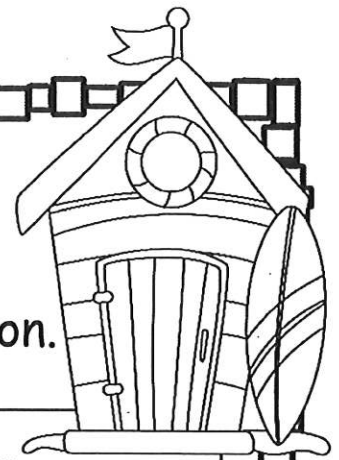
$$(2 + 2)^3 - 3 = \underline{\hspace{2cm}}$$



Name: _____

Writing Equations

Directions: Rewrite each sentence as an equation.



Three times a number
is 18.

Sixty less than a
number is 32.

Four times a number is
36.

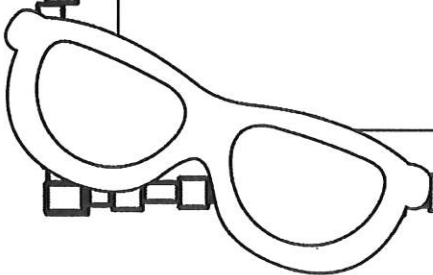
Sixteen divided by a
number 4.

The product of 6 and a
number is 72.

Nine times a number is
81.

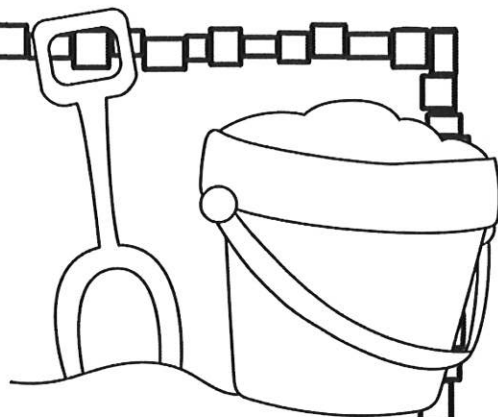
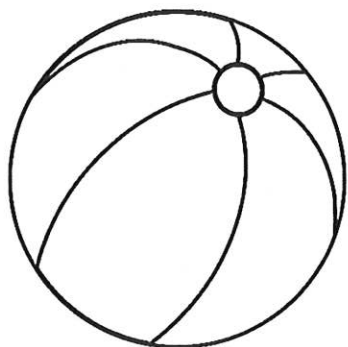
Eight decreased by a
number is 2.

A number minus 8 is 17.



Name: _____

Solve each equation.



$$t + 5 = 9 \quad \underline{\hspace{2cm}}$$

$$b + 7 = 19 \quad \underline{\hspace{2cm}}$$

$$m - 5 = 5 \quad \underline{\hspace{2cm}}$$

$$x - 4 = 18 \quad \underline{\hspace{2cm}}$$

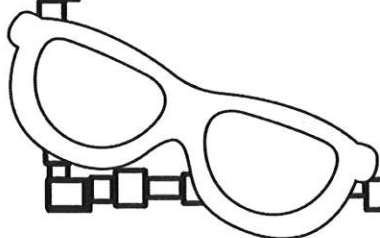
$$x + 6 = 20 \quad \underline{\hspace{2cm}}$$

$$n + 8 = 13 \quad \underline{\hspace{2cm}}$$

$$x - 2 = 8 \quad \underline{\hspace{2cm}}$$

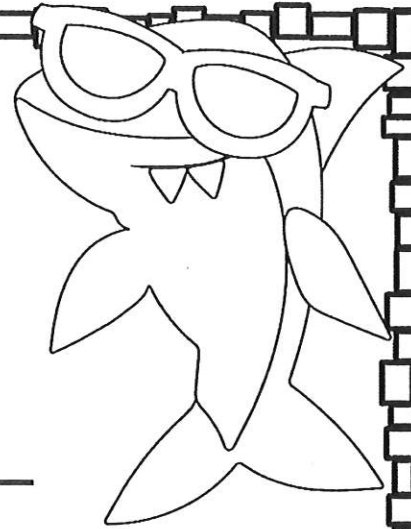
$$x + 0 = 9 \quad \underline{\hspace{2cm}}$$

$$b + 5 = 5 = \underline{\hspace{2cm}}$$



Name: _____

Solve each equation.



$$4 \times a = 16 \quad \underline{\hspace{2cm}}$$

$$b \div 5 = 15 \quad \underline{\hspace{2cm}}$$

$$13 \times n = 91 \quad \underline{\hspace{2cm}}$$

$$c \div 10 = 40 \quad \underline{\hspace{2cm}}$$

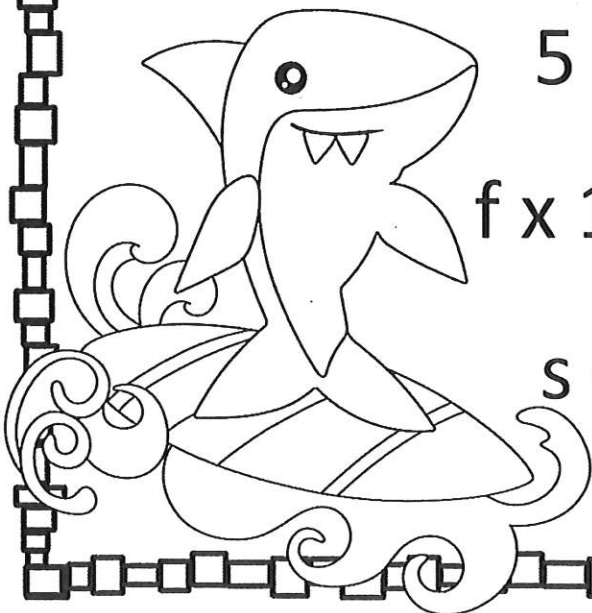
$$n \times 4 = 56 \quad \underline{\hspace{2cm}}$$

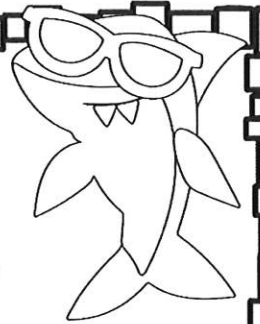
$$7 \times y = 91 \quad \underline{\hspace{2cm}}$$

$$5 \times b = 85 \quad \underline{\hspace{2cm}}$$

$$f \times 19 = 152 \quad \underline{\hspace{2cm}}$$

$$s \div 7 = 16 \quad \underline{\hspace{2cm}}$$

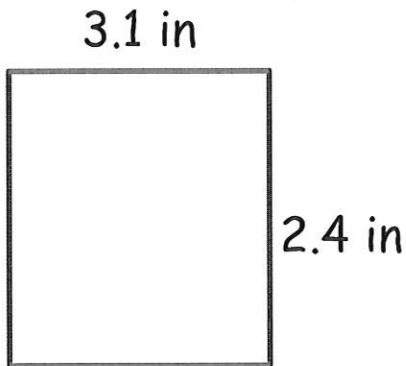




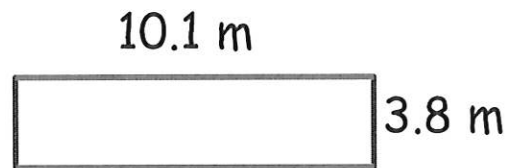
Name: _____

Finding the perimeter and area.

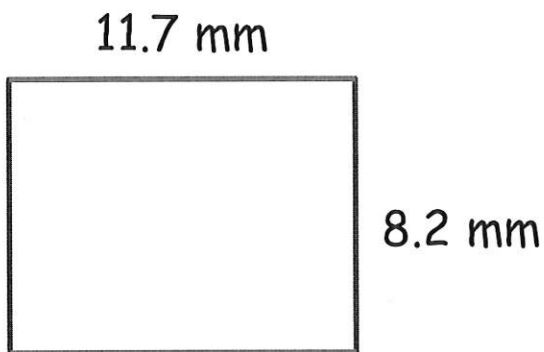
Directions: Determine the perimeter and area of each shape.



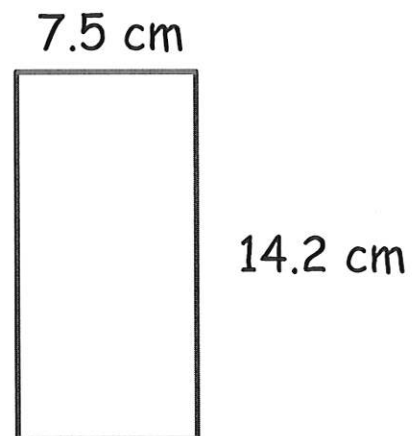
The perimeter is:
The area is:



The perimeter is:
The area is:



The perimeter is:
The area is:



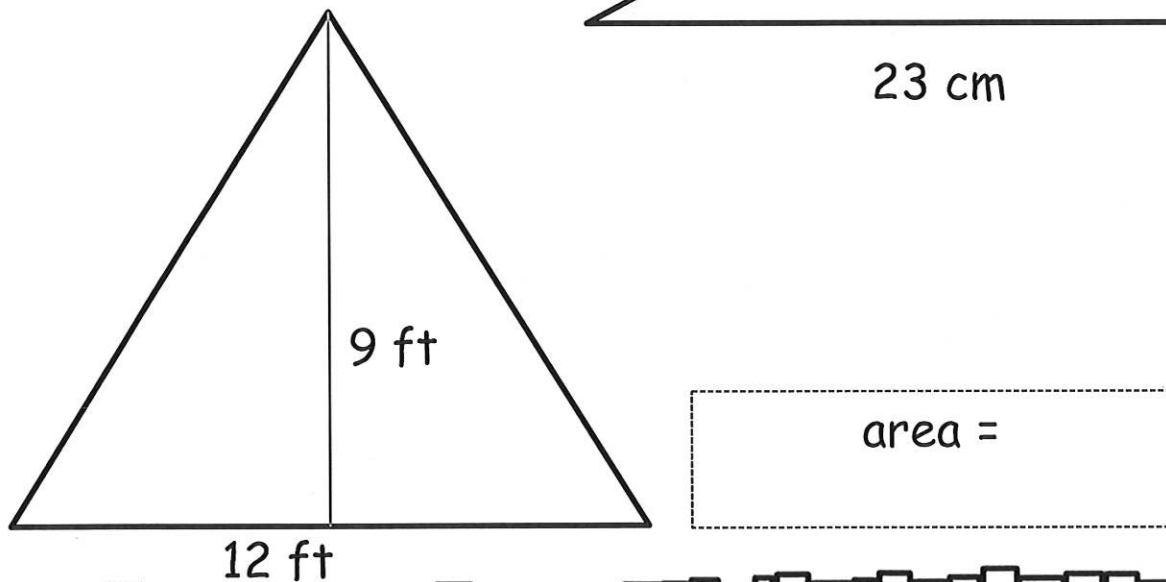
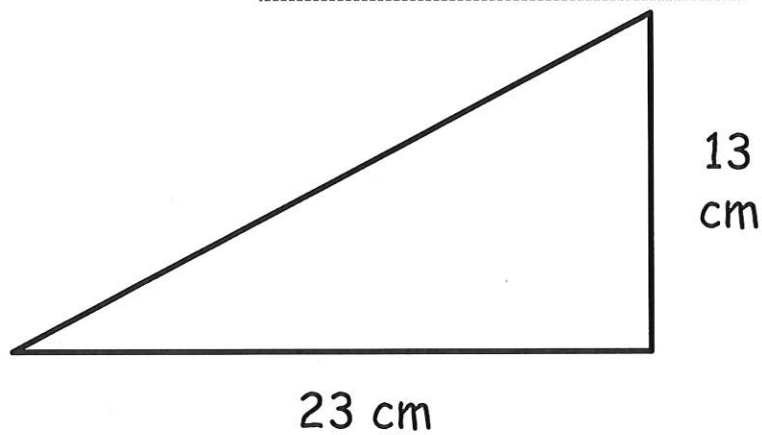
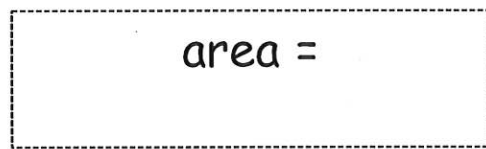
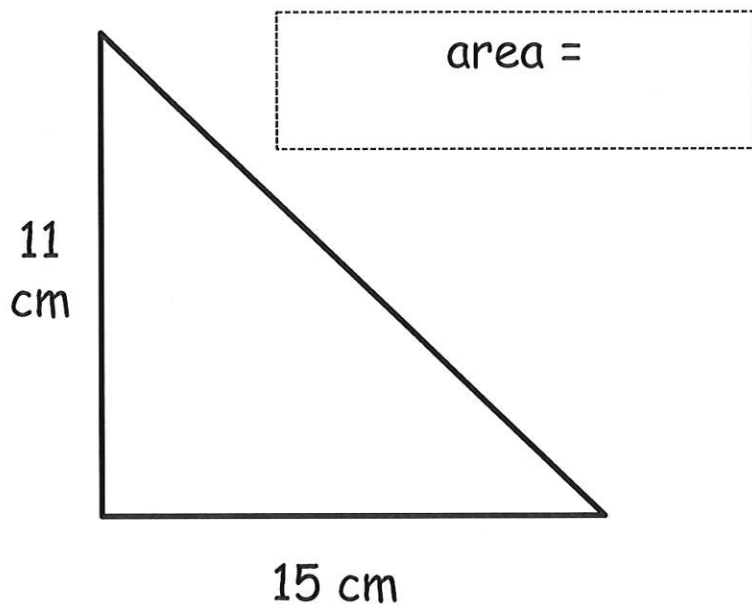
The perimeter is:
The area is:

Name: _____

Finding Area

Directions: Determine the area of each triangle.

$$A = \frac{1}{2} \times b \times h$$

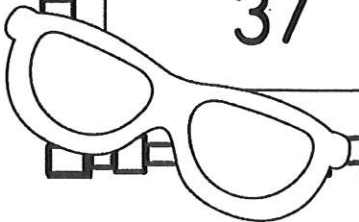




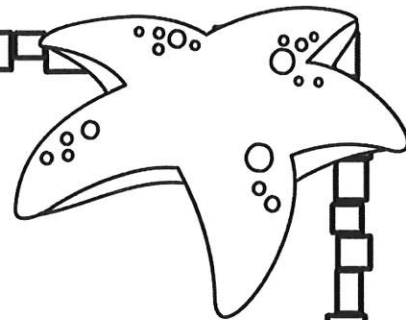
Name: _____

Measures of Central Tendency

8, 12, 23, 12, 15	mean median mode range
52, 61, 79, 78, 56, 79, 71	mean median mode range
37, 50, 67, 83, 84, 48, 37	mean median mode range

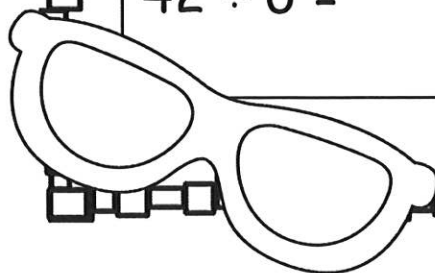


Name: _____

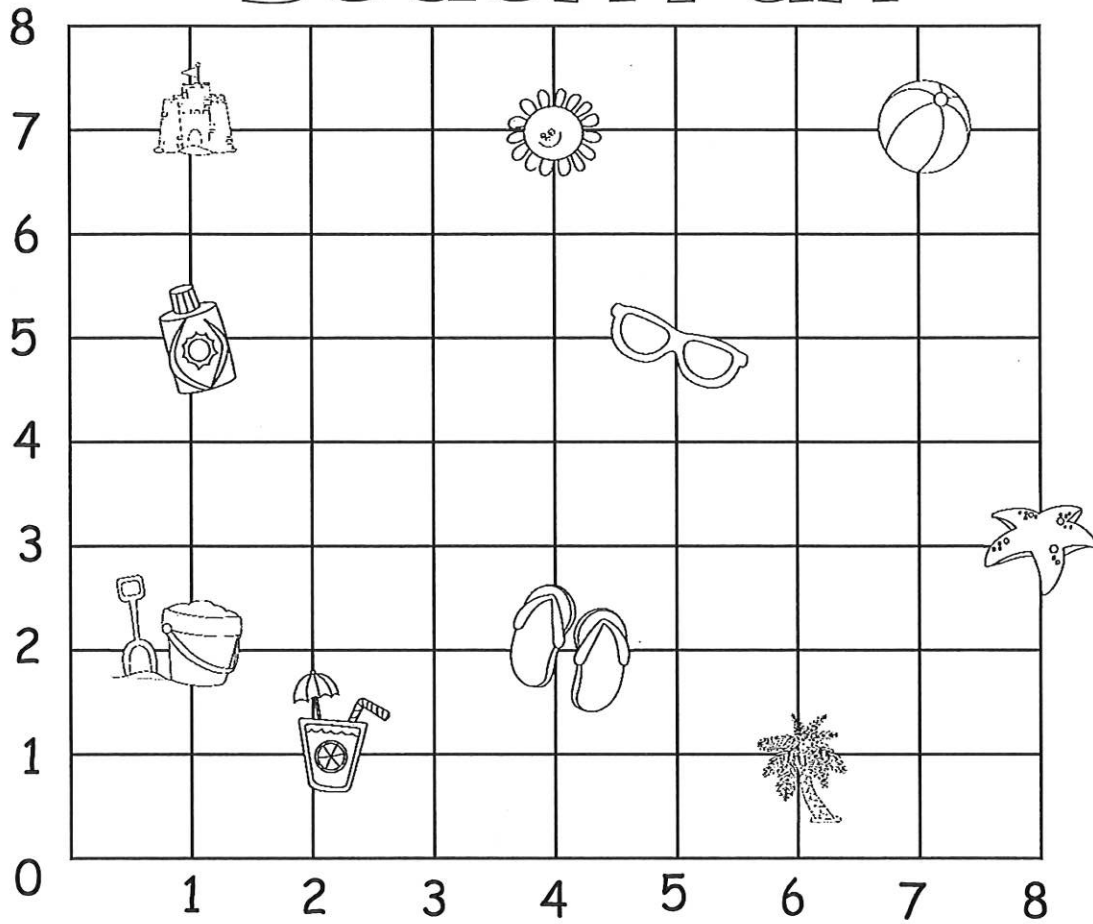


Dividing Multiples of 10 and 100


$36 \div 6 =$	$360 \div 6 =$	$3,600 \div 6 =$
$56 \div 7 =$	$560 \div 7 =$	$5,600 \div 7 =$
$25 \div 5 =$	$250 \div 5 =$	$2,500 \div 5 =$
$24 \div 6 =$	$240 \div 6 =$	$2,400 \div 6 =$
$81 \div 9 =$	$810 \div 9 =$	$8,100 \div 9 =$
$64 \div 8 =$	$640 \div 8 =$	$6,400 \div 8 =$
$42 \div 6 =$	$420 \div 6 =$	$4,200 \div 6 =$





Ordered Pairs Beach Fun





Identify the location of each picture by writing the ordered pair.


1.  = (____, ____)


2.  = (____, ____)


3.  = (____, ____)

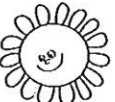
4.  = (____, ____)


5.  = (____, ____)

6.  = (____, ____)

7.  = (____, ____)

8.  = (____, ____)

9.  = (____, ____)

10.  = (____, ____)