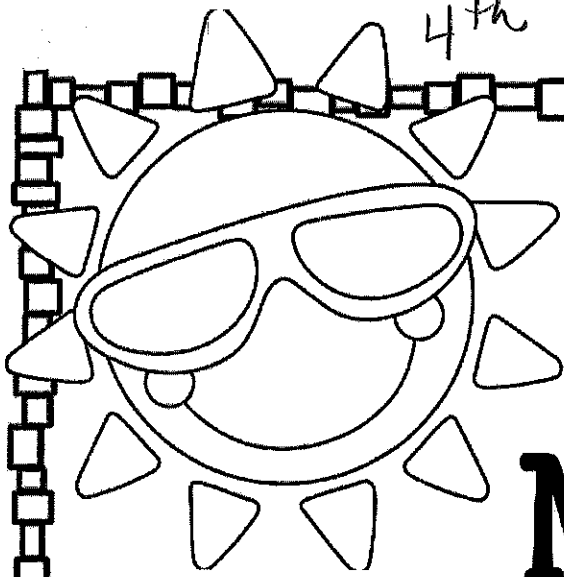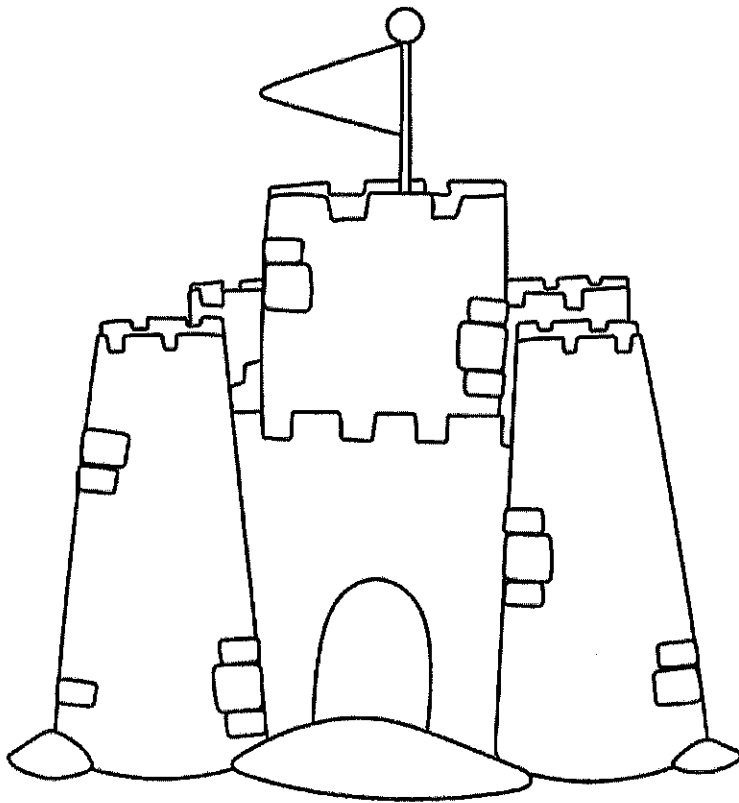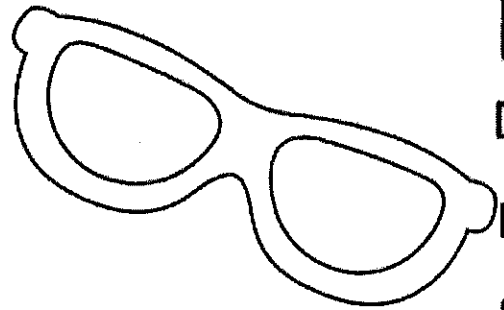4th

My Math Practice Book

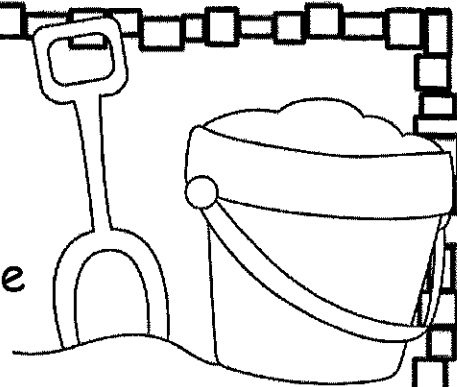Name: _____

Comparing Numbers

Directions: Write >, < or = to compare each pair of numbers.

52,000 _____ 52,000

2,641 _____ 1,641

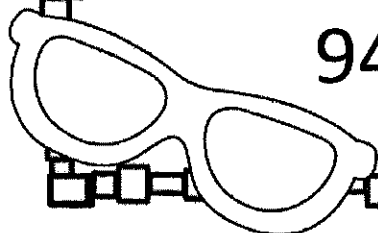16,083 _____ 15,846

85,276 _____ 83,194

14,410 _____ 14,041

72,053 _____ 72,530

11,104 _____ 11,104

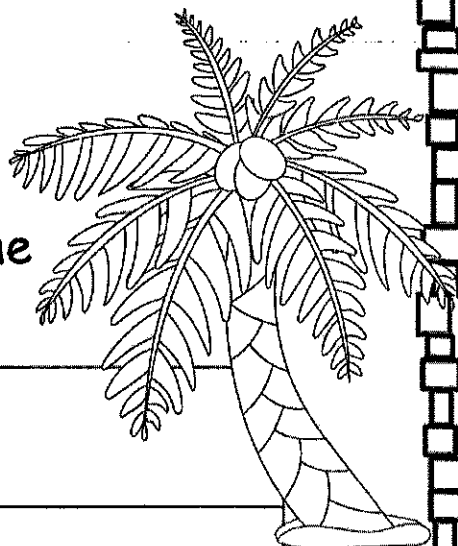285,582 _____ 285,528

163,091 _____ 160,910

942,850 _____ 952,001

Name: _____

Rounding Numbers

Directions: Round each number to the place of the underlined digit.

6,<u>4</u>82	
<u>8</u>,205	
48,<u>0</u>18	
32,9<u>0</u>5	
<u>5</u>1,103	
85,<u>8</u>28	
6<u>1</u>8,242	
<u>2</u>87,065	
4,927,<u>4</u>71	
165,<u>0</u>98,748	

Missing Numbers

Name: _____   **Date:** _____

Use your powers of mathematical reasoning to determine the mystery numbers in each addition or *subtraction problem.*

```
  ┌────┐           52            45
+   15          - ┌────┐       - ┌────┐
─────────       ───────        ───────
   28              37            24
```

```
  ┌────┐           24          ┌────┐
-   52          + ┌────┐       -   42
─────────       ───────        ───────
   21              30            13
```

```
  ┌────┐           19
+   11          + ┌────┐
─────────       ───────
   69              49
```


Bonus!

```
   745          ┌────┐          1845
- ┌────┐       + 452          - ┌────┐
─────────       ───────        ───────
   563             107            256
```
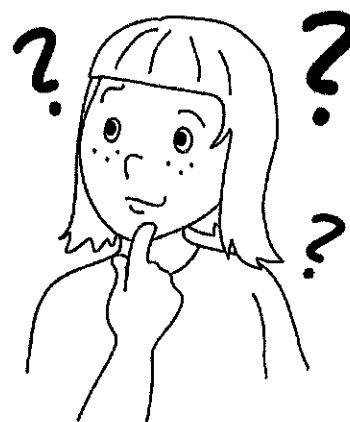
Name: _____

Addition & Subtraction
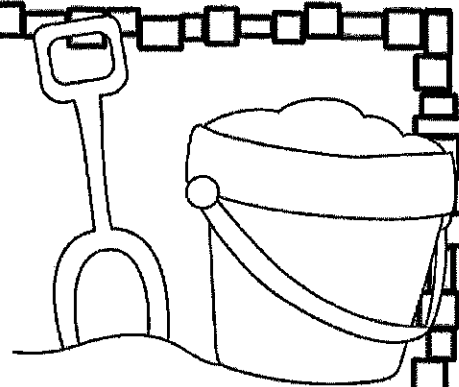
```
   5,359        24,783        70,524
  +6,326       -21,495       +46,509
```

```
  68,900        64,704       758,930
 -11,182       +24,756      -479,672
```

```
     67           735         1,682
     93           846         7,842
    +62          +265        +3,275
```
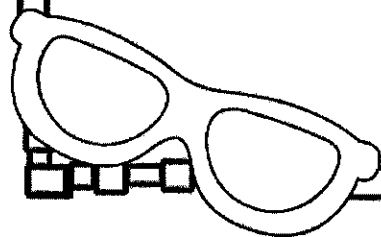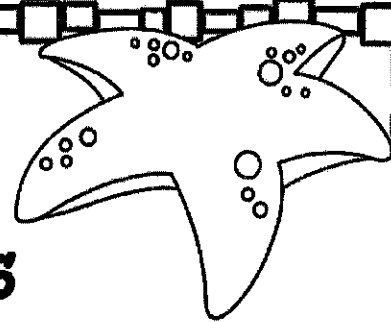
Write the Missing Factors

$6 \times \underline{\hspace{1cm}} = 54$

$3 \times \underline{\hspace{1cm}} = 33$

$\underline{\hspace{1cm}} \times 2 = 16$

$8 \times \underline{\hspace{1cm}} = 32$

$\underline{\hspace{1cm}} \times 4 = 40$

$12 \times \underline{\hspace{1cm}} = 132$

$9 \times \underline{\hspace{1cm}} = 81$

$\underline{\hspace{1cm}} \times 1 = 9$

$\underline{\hspace{1cm}} \times 7 = 21$

$11 \times \underline{\hspace{1cm}} = 110$

$5 \times \underline{\hspace{1cm}} = 35$

$\underline{\hspace{1cm}} \times 10 = 80$

$\underline{\hspace{1cm}} \times 9 = 18$

$\underline{\hspace{1cm}} \times 8 = 88$
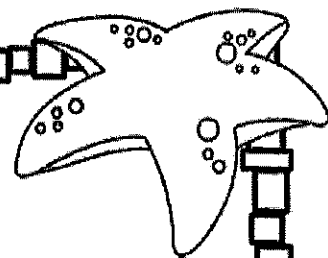
Using Mental Math to Multiply

80 x 90 =	30 x 9 =
40 x 60 =	20 x 800 =
80 x 7,000 =	20 x 600 =
50 x 800 =	60 x 300 =
70 x 400 =	1,200 x 80 =
6,000 x 500 =	4,000 x 900 =
20 x 70 x 100 =	30 x 500 x 100 =
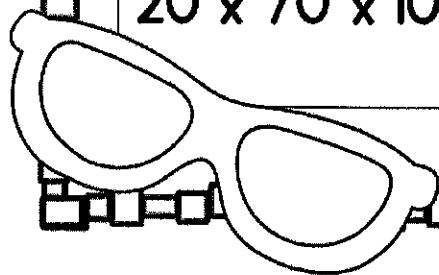
Name _____   Date _____

Multiplying Multi-Digit Numbers
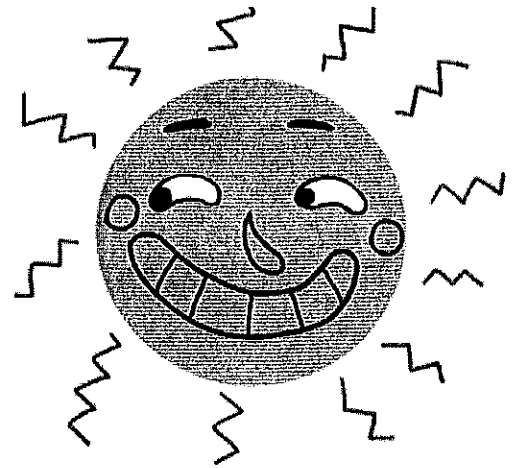
1. 442
    x   1

2. 40
    x   5

3. 67
    x   9

4. 34
    x 34

5. 330
    x   11

6. 42
    x 42

7. 492
    x 23

8. 994
    x 20

9. 943
    x   51

10. 342
    x   10

11. 876
    x 56

12. 332
    x   12

Name: _____

Multiplying Bigger Numbers

27	64	49
X 28	X 33	X 17

473	791	921
X 19	X 86	X 45

537	246	981
X 24	X 72	X 26
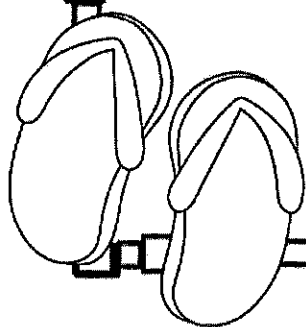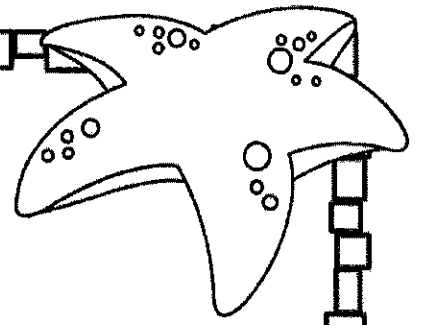
Dividing Multiples of 10 and 100

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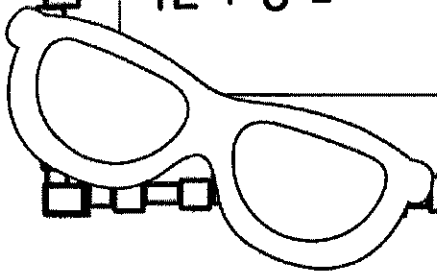
Name: _____

Division Practice

Directions: Write the answer to each problem.
You might need to rewrite the problem first.
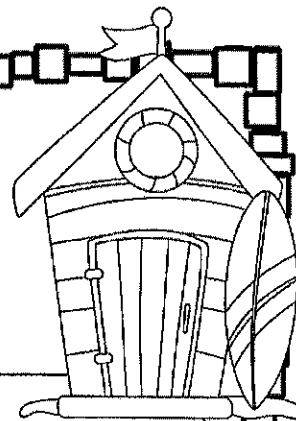
955 ÷ 8 = 8⟌955	249 ÷ 7 =
365 ÷ 5 =	448 ÷ 8 =
499 ÷ 2 =	396 ÷ 6 =
362 ÷ 5 =	425 ÷ 9 =
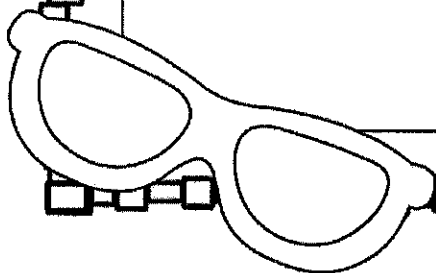
Name: _____

2-Digit Quotients

Directions: Write the answer to each problem.
You might need to rewrite the problem first.
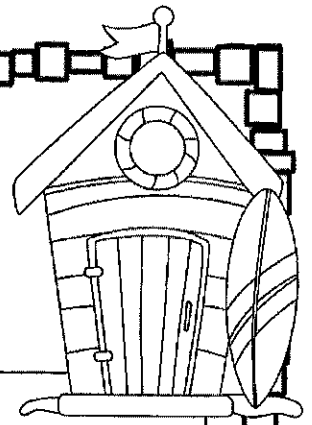
413 ÷ 14 = 14)413	768 ÷ 35 =
942 ÷ 45 =	503 ÷ 26 =
401 ÷ 19 =	634 ÷ 29 =
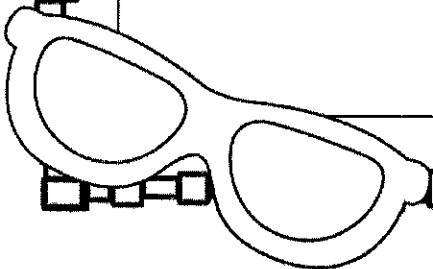
Name: _____

Multiplying Decimals by 10, 100 or 1,000
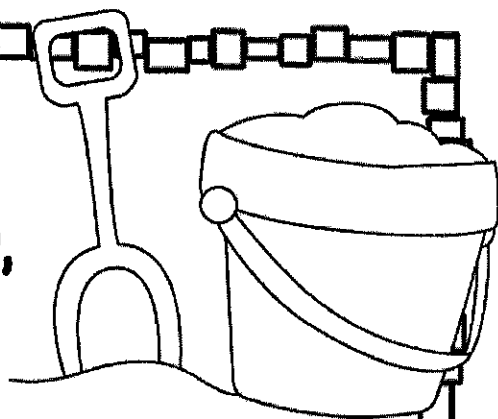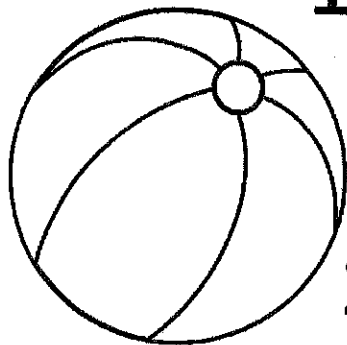
6.1 x 10 = _____

26.98 x 100 = _____

14.82 x 1,000 = _____

66.7 x 1,000 = _____

4.8 x 100 = _____

3.05 x 1,000 = _____

.002 x 100= _____

2.06 x 100 = _____

.37 x 1,000 = _____
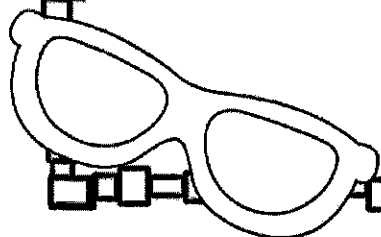
Name: _____

Dividing Decimals by 10, 100 or 1,000
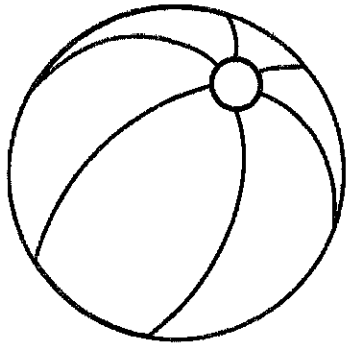
$85.6 \div 10 = $ _____

$1.99 \div 100 = $ _____

$328.54 \div 1,000 = $ _____

$942.64 \div 100 = $ _____

$0.834 \div 100 = $ _____

$1.25 \div 10 = $ _____

$.32 \div 10 = $ _____

$78.21 \div 100 = $ _____

$75.34 \div 1,000 = $ _____
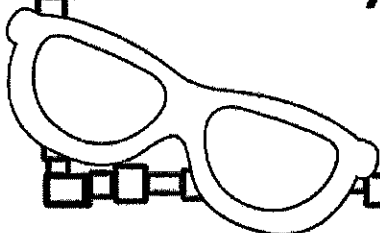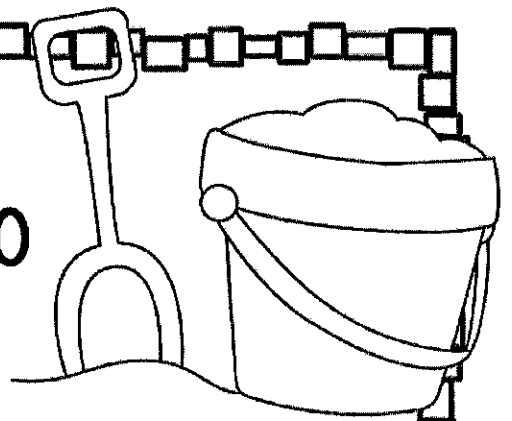
HOW TO
MULTIPLY DECIMALS

Multiplying decimals may seem like a daunting task at first, but once you learn how, you'll find that it's just like multiplying regular numbers! To multiply decimals, follow the steps below.

1. Multiply normally, ignoring the decimal points.

2. Place the decimal point in the answer in the correct spot. It will have as many decimal places as the 2 original numbers combined.

---
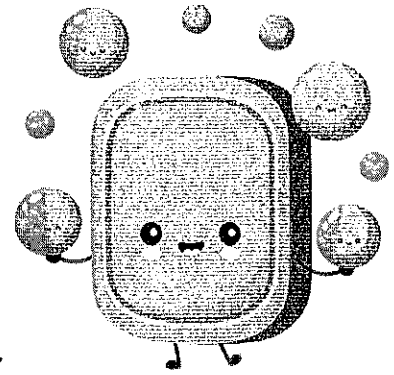
example: Multiply 0.03 by 11

1. Start with: **0.03 × 11**

2. Multiply without decimal points: **3 × 11 = 33**

3. 0.03 has 2 decimal places and 11 has no decimal places.

4. The total number of decimal places is 2.

5. Therefore, our answer has 2 decimal places: **0.33**

DIRECTIONS: Solve the following multiplication problems. Do not forget to count the number of decimal places in the original numbers and place the decimal point in your answer.

1.
$$
\begin{array}{r}
2.4 \\
\times 9 \\
\hline
\end{array}
$$

2.
$$
\begin{array}{r}
.12 \\
\times .2 \\
\hline
\end{array}
$$

3.
$$
\begin{array}{r}
11.4 \\
\times 2 \\
\hline
\end{array}
$$

4.
$$
\begin{array}{r}
5.9 \\
\times 1\,2 \\
\hline
\end{array}
$$

5.
$$
\begin{array}{r}
.10 \\
\times 3 \\
\hline
\end{array}
$$

6.
$$
\begin{array}{r}
15 \\
\times .29 \\
\hline
\end{array}
$$

7.
$$
\begin{array}{r}
6.4 \\
\times 9 \\
\hline
\end{array}
$$

8.
$$
\begin{array}{r}
1.3 \\
\times .4 \\
\hline
\end{array}
$$

9.
$$
\begin{array}{r}
1.210 \\
\times 295 \\
\hline
\end{array}
$$
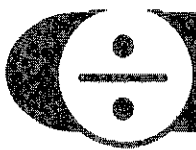
Dividing Decimals by Whole Numbers

Name_____   Date_____

1. $32.4 \div 4 =$_____

2. $7.065 \div 5 =$_____

3. $95.01 \div 3 =$_____

4. $8.36 \div 2 =$_____

5. $7\overline{)4.2}$

6. $9\overline{)5.94}$

7. $8\overline{)56.8}$

8. $6\overline{)1.68}$

9. $3\overline{)0.456}$

10. $5\overline{)8.195}$

Name: _____

Equivalent Fractions

Directions:
Write an equivalent fraction for each.

$$\frac{6}{10} =$$

$$\frac{7}{9} =$$

$$\frac{4}{6} =$$

Example:

$$\frac{4 \times 3}{5 \times 3} = \frac{12}{15}$$

$$\frac{10 \div 2}{12 \div 2} = \frac{5}{6}$$

$$\frac{2}{5} =$$

$$\frac{18}{32} =$$

$$\frac{32}{48} =$$

Name _____   Date _____

Fraction Equivalency Chart

0 ————————————— $\frac{1}{2}$ ————————————— 1

1

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

$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$

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

$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$

$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

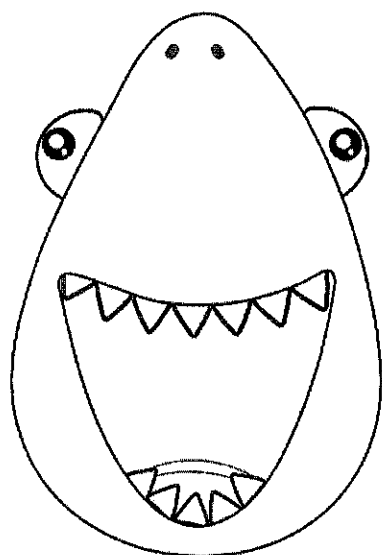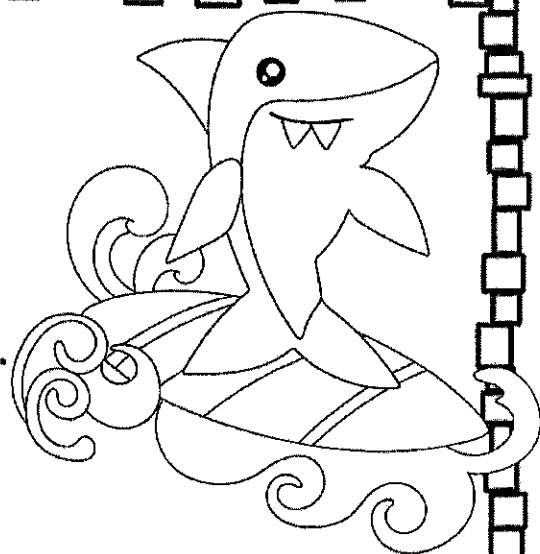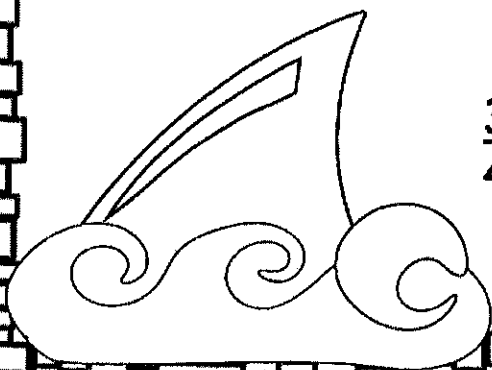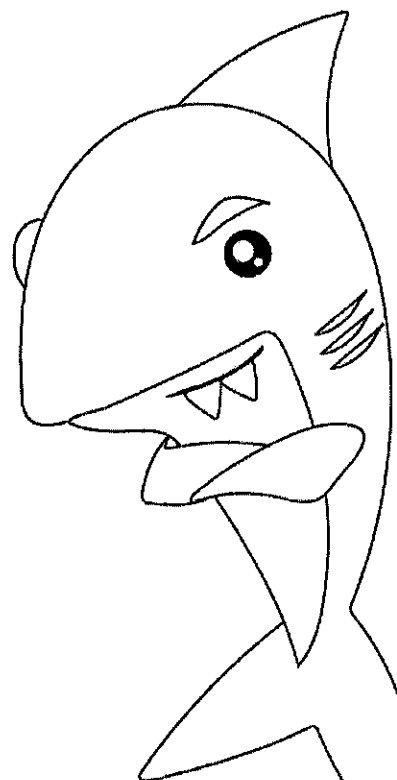| $\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$

$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$

$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$

$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$

$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$

$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$
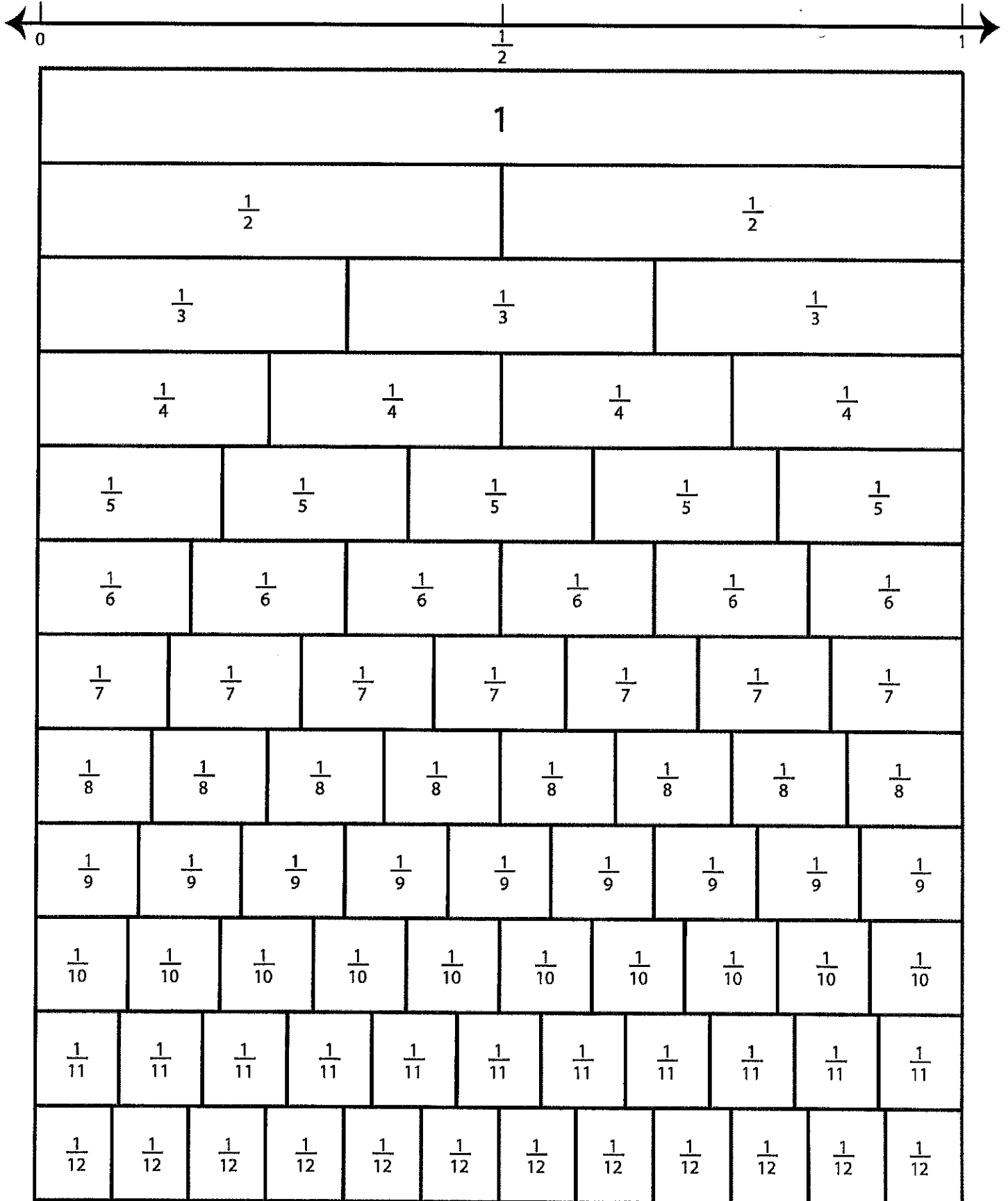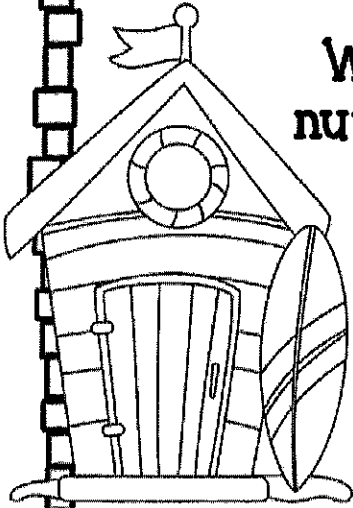
Name: _____

Write each improper fraction as a whole number or mixed number in simplest form.

Example: $\frac{15}{4}$ = $4\overline{)15}$ $\frac{3}{}$ $\frac{12}{3}$ = $3\frac{3}{4}$

$\frac{24}{14}$ =

$\frac{66}{20}$ =

$\frac{30}{20}$ =
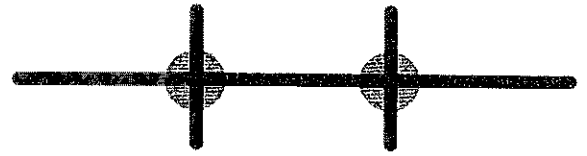
$\frac{12}{5}$ =

$\frac{47}{9}$ =

$\frac{52}{7}$ =
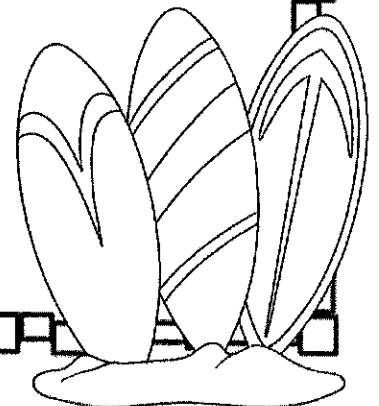
Add Fractions on a Number Line #2

Name: _____

Date: _____

Directions: Use each number line to add the fractions.
Remember to fill in the missing numbers on the blank number lines!

Example: $\dfrac{4}{8}$ + $\dfrac{3}{8}$ = $\dfrac{7}{8}$

a. $\dfrac{6}{12}$ + $\dfrac{4}{12}$ =

b. $\dfrac{2}{3}$ + $\dfrac{1}{3}$ =

c. $\dfrac{3}{4}$ + $\dfrac{3}{4}$ =

d. $\dfrac{5}{6}$ + $\dfrac{4}{6}$ =

e. $\dfrac{3}{6}$ + $\dfrac{5}{6}$ =
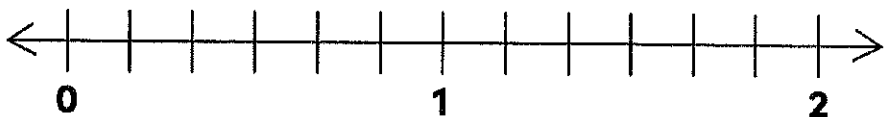
Challenge!

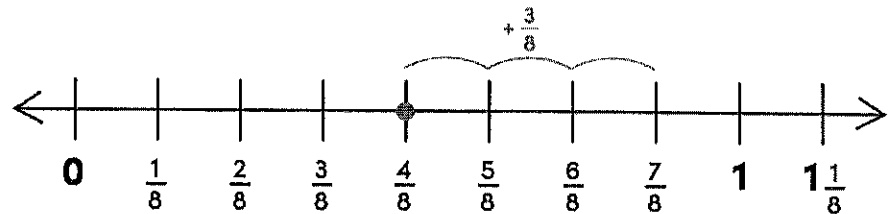**f.** $\dfrac{5}{8}$ + $\dfrac{1}{4}$ =

Subtract Fractions
←——— on a Number Line ———→

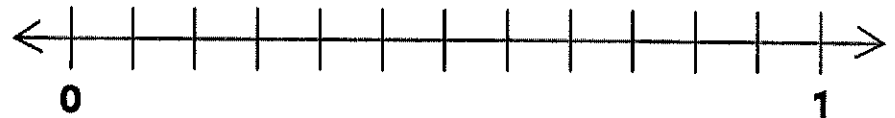**Directions:** Use each number line to subtract the fractions.
Remember to fill in the missing numbers on the blank number lines!
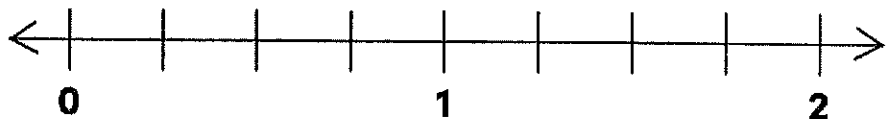
Example: $\frac{4}{5} - \frac{3}{5} = \frac{1}{5}$

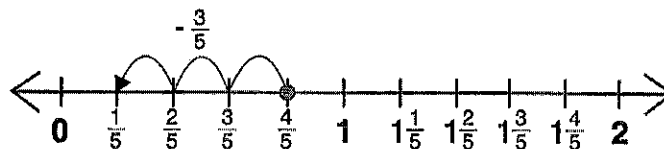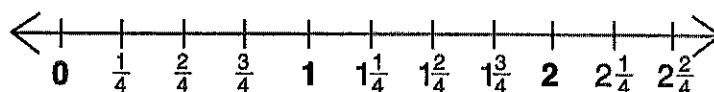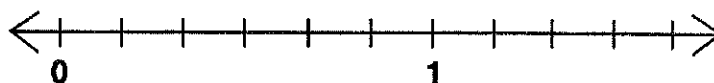$-\frac{3}{5}$

0 $\frac{1}{5}$ $\frac{2}{5}$ $\frac{3}{5}$ $\frac{4}{5}$ 1 $1\frac{1}{5}$ $1\frac{2}{5}$ $1\frac{3}{5}$ $1\frac{4}{5}$ 2

a) $1\frac{3}{4} - \frac{2}{4} = $ _____

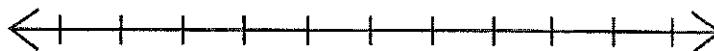0 $\frac{1}{4}$ $\frac{2}{4}$ $\frac{3}{4}$ 1 $1\frac{1}{4}$ $1\frac{2}{4}$ $1\frac{3}{4}$ 2 $2\frac{1}{4}$ $2\frac{2}{4}$
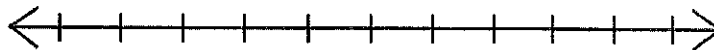
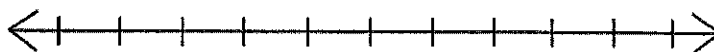b) $\frac{5}{6} - \frac{3}{6} = $ _____

0   1

c) $2\frac{1}{3} - \frac{2}{3} = $ _____
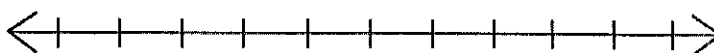
d) $\frac{7}{8} - \frac{5}{8} = $ _____

e) $1\frac{3}{5} - 1\frac{1}{5} = $ _____

Challenge!

f) $\frac{1}{2} - \frac{3}{8} = $ _____

Coconut Addition

Add the **fractions**.

To **add** fractions that have the same denominator, just add the numerators. The denominator stays the same. $\dfrac{1}{2}$ —numerator —denominator

$\dfrac{1}{3} + \dfrac{1}{3} = \underline{\quad}$

$\dfrac{4}{8} + \dfrac{3}{8} = \underline{\quad}$

$\dfrac{2}{4} + \dfrac{1}{4} = \underline{\quad}$

$\dfrac{2}{6} + \dfrac{2}{6} = \underline{\quad}$

$\dfrac{7}{12} + \dfrac{3}{12} = \underline{\quad}$

$\dfrac{2}{4} + \dfrac{1}{4} = \underline{\quad}$

$\dfrac{2}{10} + \dfrac{4}{10} = \underline{\quad}$

$\dfrac{1}{5} + \dfrac{3}{5} = \underline{\quad}$

$\dfrac{3}{6} + \dfrac{2}{6} = \underline{\quad}$

$\dfrac{2}{8} + \dfrac{1}{8} = \underline{\quad}$

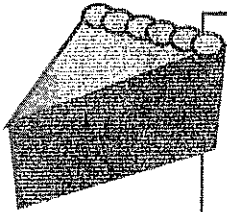$\dfrac{3}{7} + \dfrac{2}{7} = \underline{\quad}$

$\dfrac{2}{9} + \dfrac{3}{9} = \underline{\quad}$

Subtracting Fractions
with the same denominator

Find the difference of each fraction equation below.
Remember: when subtracting fractions with the same denominator,
simply subtract the numerators and keep the denominator the same.

$$\frac{4}{6} \quad \text{numerator} \atop \text{denominator} \qquad \frac{4}{6} - \frac{2}{6} = \frac{2}{6}$$

$$\frac{7}{4} - \frac{3}{4} = \boxed{} \qquad \frac{6}{8} - \frac{1}{8} = \boxed{}$$

$$\frac{5}{7} - \frac{4}{7} = \boxed{} \qquad \frac{8}{9} - \frac{3}{9} = \boxed{}$$

$$\frac{2}{5} - \frac{2}{5} = \boxed{} \qquad \frac{10}{6} - \frac{8}{6} = \boxed{}$$

$$\frac{34}{10} - \frac{13}{10} = \boxed{} \qquad \frac{23}{24} - \frac{12}{24} = \boxed{}$$
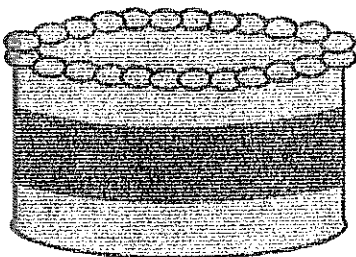
$$\frac{58}{65} - \frac{14}{65} - \frac{2}{65} = \boxed{}$$

$$\frac{107}{120} - \frac{16}{120} - \frac{9}{120} - \frac{29}{120} = \boxed{}$$

Name _____ Date _____

Subtracting Fractions With Unlike Denominators

You can subtract fractions with unlike denominators. Start by making equivalent fractions using the least common denominator, and then subtract the fractions. Let's try it! Solve $\frac{3}{5} - \frac{1}{4}$.
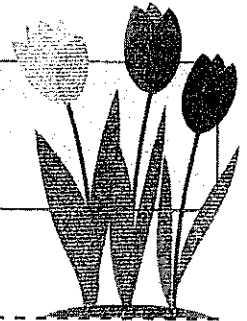
First, find the least common denominator. The least common denominator (LCD) is the smallest common multiple of both denominators. For this problem, the LCD is 20. Now, multiply to make equivalent fractions with a denominator of 20.

$$\frac{3 \times 4}{5 \times 4} = \frac{12}{20} \qquad \frac{1 \times 5}{4 \times 5} = \frac{5}{20}$$

Next, subtract the fractions. Subtract the numerators and keep the denominator the same. Make sure your answer is in simplest form.

$$\frac{12}{20} - \frac{5}{20} = \frac{7}{20}$$

Try it yourself! Subtract. Show your work and write your final answer in simplest form.

$\frac{1}{2} - \frac{1}{3} =$	$\frac{7}{12} - \frac{1}{4} =$
$\frac{8}{9} - \frac{1}{2} =$	$\frac{7}{10} - \frac{3}{5} =$
$\frac{5}{6} - \frac{2}{5} =$	$\frac{5}{12} - \frac{3}{8} =$
$\frac{6}{7} - \frac{5}{9} =$	$\frac{3}{4} - \frac{3}{10} =$

Adding Fractions With Unlike Denominators

You can add fractions with unlike denominators. Start by making equivalent fractions using the least common denominator, and then add the fractions. Let's try it! Solve $\frac{2}{3} + \frac{1}{4}$.

First, find the least common denominator. The least common denominator (LCD) is the smallest common multiple of both denominators. For this problem, the LCD is 12. Now, multiply to make equivalent fractions with a denominator of 12.

$$\frac{2 \times 4}{3 \times 4} = \frac{8}{12} \qquad \frac{1 \times 3}{4 \times 3} = \frac{3}{12}$$

Next, add the fractions. Add the numerators and keep the denominator the same. Make sure your answer is in simplest form.

$$\frac{8}{12} + \frac{3}{12} = \frac{11}{12}$$
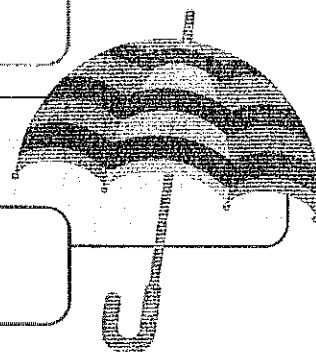
Try it yourself! Add. Show your work and write your final answer in simplest form.

$\frac{1}{5} + \frac{1}{2} =$

$\frac{3}{8} + \frac{1}{4} =$

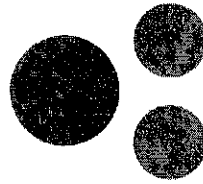$\frac{1}{6} + \frac{2}{3} =$

$\frac{5}{12} + \frac{1}{3} =$

$\frac{3}{4} + \frac{1}{7} =$

$\frac{2}{3} + \frac{1}{5} =$

$\frac{5}{8} + \frac{1}{6} =$

$\frac{3}{4} + \frac{2}{9} =$

Multiply a Whole Number by a Fraction

Date _____

Name _____

To multiply a whole number by a fraction, multiply the whole number by the numerator. Keep the denominator the same!

Example: $3 \times \dfrac{2}{7} = \dfrac{3 \times 2}{7} = \dfrac{6}{7}$

Multiply. Write your answer as a proper fraction or mixed number in simplest form.

$3 \times \dfrac{3}{10} =$	$4 \times \dfrac{1}{6} =$
$7 \times \dfrac{10}{11} =$	$6 \times \dfrac{3}{9} =$
$\dfrac{6}{11} \times 4 =$	$\dfrac{3}{8} \times 9 =$
$\dfrac{4}{5} \times 5 =$	$\dfrac{5}{8} \times 2 =$
$5 \times \dfrac{7}{12} =$	$\dfrac{3}{5} \times 11 =$
$9 \times \dfrac{2}{8} =$	$\dfrac{4}{7} \times 12 =$
$\dfrac{8}{9} \times 10 =$	$\dfrac{7}{12} \times 6 =$

Fraction Concepts

Name:_____   Date:_____

Draw a line to match each set of equivalent fractions.

$\frac{6}{8}$ $\frac{10}{16}$

$\frac{1}{4}$ $\frac{1}{2}$

$\frac{5}{8}$ $\frac{6}{9}$

$\frac{6}{12}$ $\frac{3}{4}$

$\frac{2}{3}$ $\frac{3}{12}$

Add. Write your answers in simplest form.

$\frac{3}{6} + \frac{2}{6} =$ $\frac{4}{7} + \frac{6}{7} =$

$\frac{3}{10} + \frac{2}{5} =$ $\frac{5}{8} + \frac{3}{4} =$

$\frac{1}{4} + 1\frac{5}{12} =$ $\frac{2}{9} + \frac{7}{3} =$

Compare the fractions using the greater than, less than, and equal symbols.

$\frac{2}{3}$ ◯ $\frac{5}{9}$

$\frac{9}{4}$ ◯ $\frac{4}{9}$

$2\frac{1}{6}$ ◯ $\frac{15}{6}$

Gemma, Brian, Lindsay, Pablo, and Sam have two candy bars to share between them. Draw a picture to show how they can share the candy bars equally.

Label the number line with the fractions listed in the box.

$\frac{1}{2}$ $1\frac{1}{4}$ $\frac{4}{4}$

$\frac{3}{4}$ $\frac{7}{4}$

0   1   2
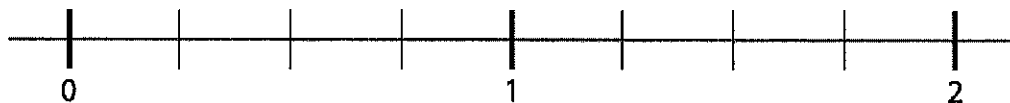
Name: _____

Fractions & Decimals

<u>Directions:</u>
Write each fraction as a decimal.
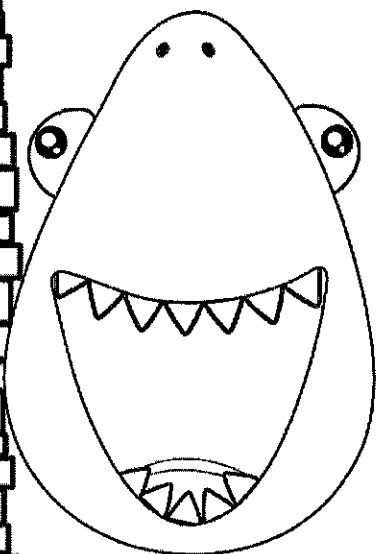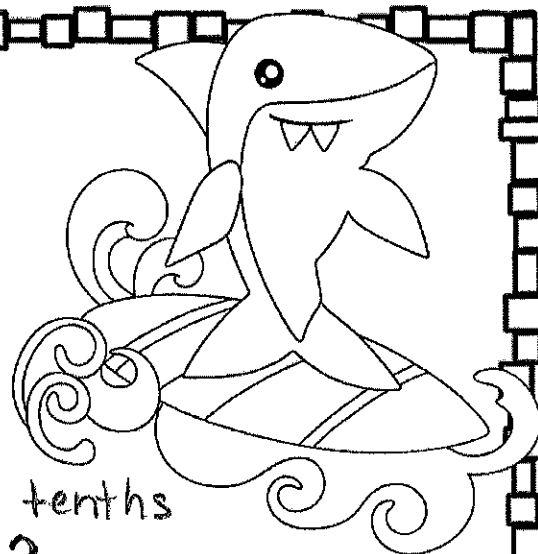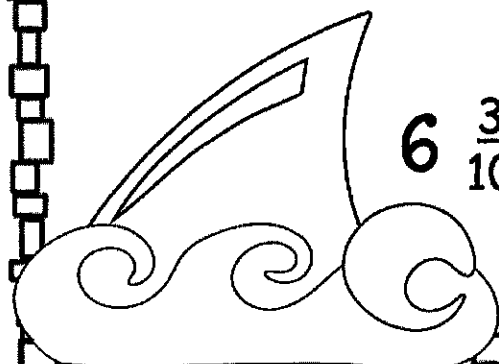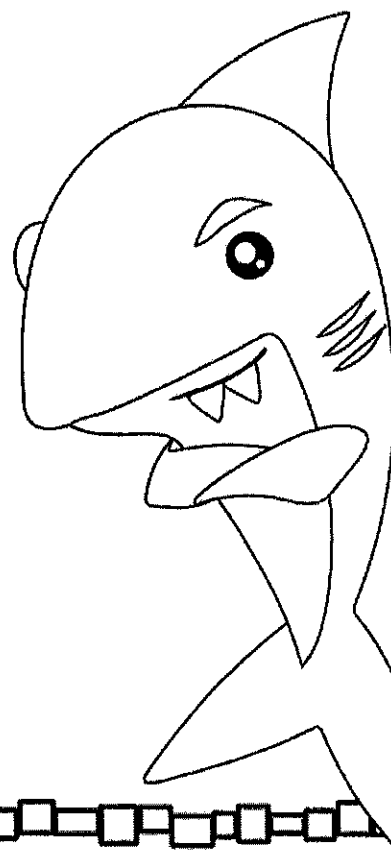
$\dfrac{2}{10}$ = read: two tenths
write: 0.2

$\dfrac{4}{10}$ =

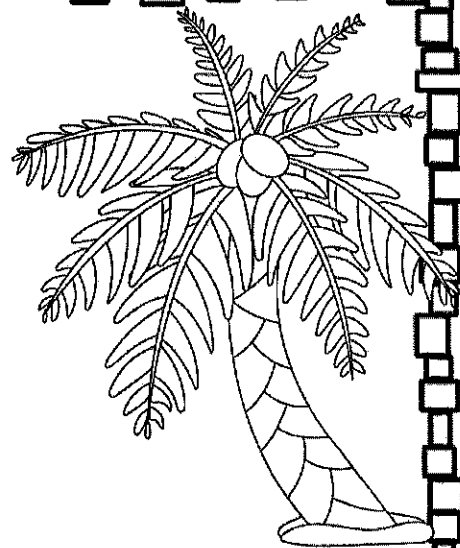$\dfrac{8}{10}$ =

$\dfrac{9}{10}$ =

$\dfrac{17}{100}$ =

$6\dfrac{30}{100}$ =

Fractions & Decimals

Directions:
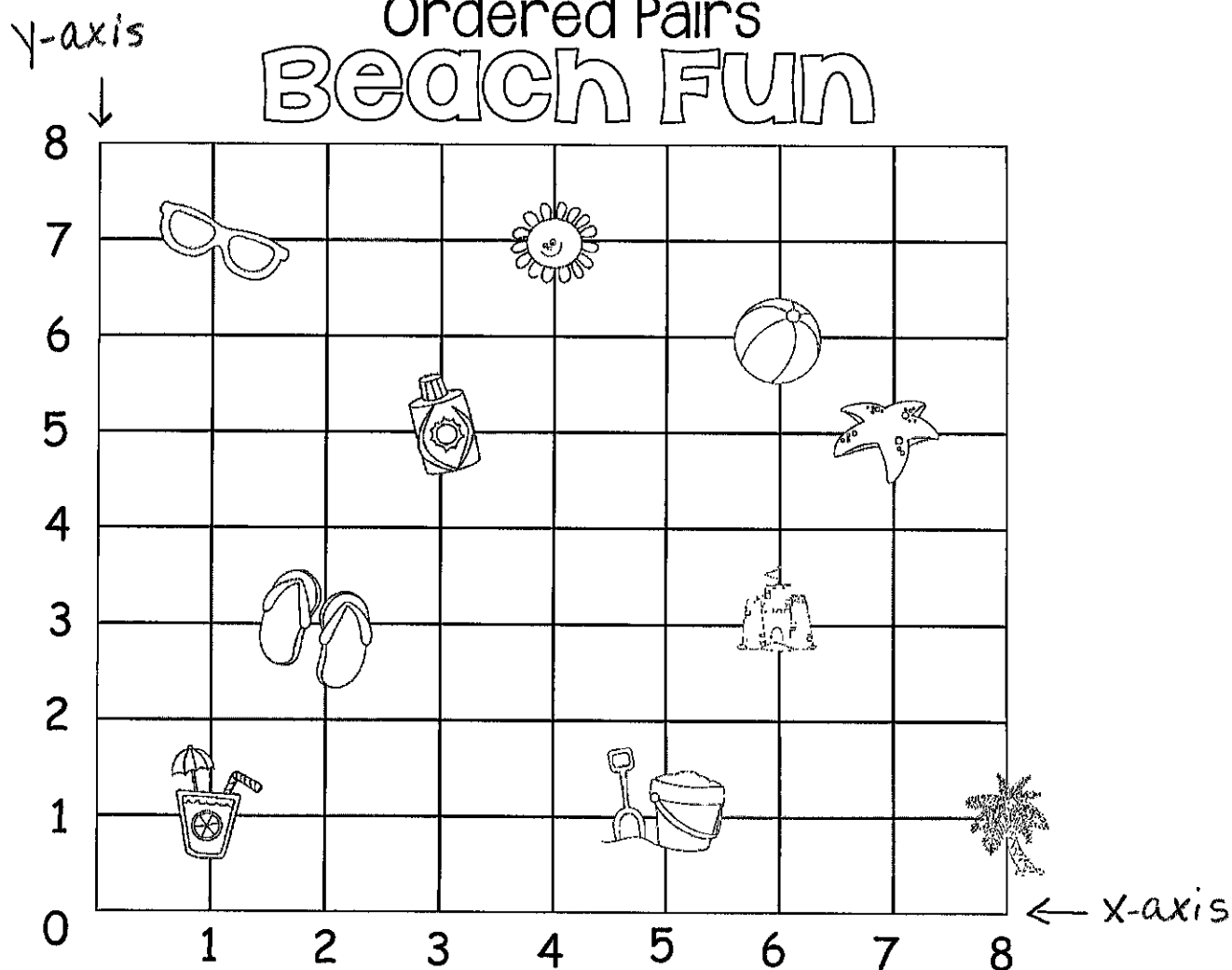Write each decimal as a fraction in lowest terms.

6.09 =

2.41 =

7.09 =

41.73 =

70.37 =

835.93 =

264.58 =

Ordered Pairs
Beach Fun

Y-axis ↓

8
7
6
5
4
3
2
1
0

1   2   3   4   5   6   7   8

← X-axis

Identify the location of each picture by writing the ordered pair.
(x , y) ← ordered pair
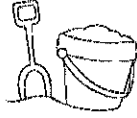
1. = (2 , 3)
   move 2 left and 3 up

2. = (___ , ___)

3. = (___ , ___)
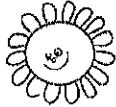
4. = (___ , ___)

5. = (___ , ___)

6. = (___ , ___)

7. = (___ , ___)

8. = (___ , ___)

9. = (___ , ___)

10. = (___ , ___)

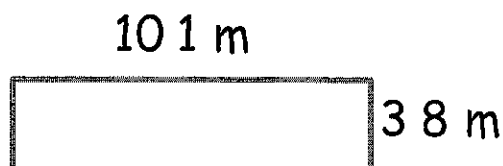Name: _____
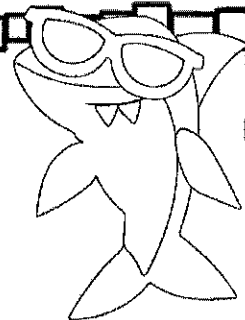
Finding the perimeter and area.

Directions: Determine the perimeter and area of each shape.
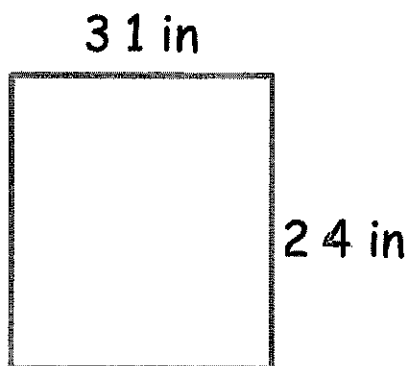
3 1 in

2 4 in

10 1 m

3 8 m

The perimeter is:

The area is:

The perimeter is:

The area is:

11 7 mm

8 2 mm

7 5 cm

14 2 cm
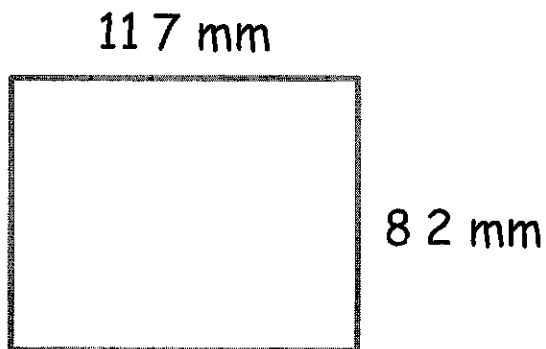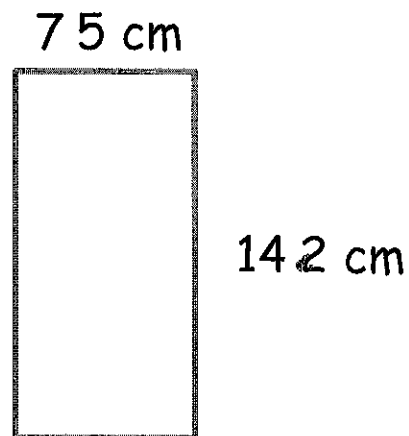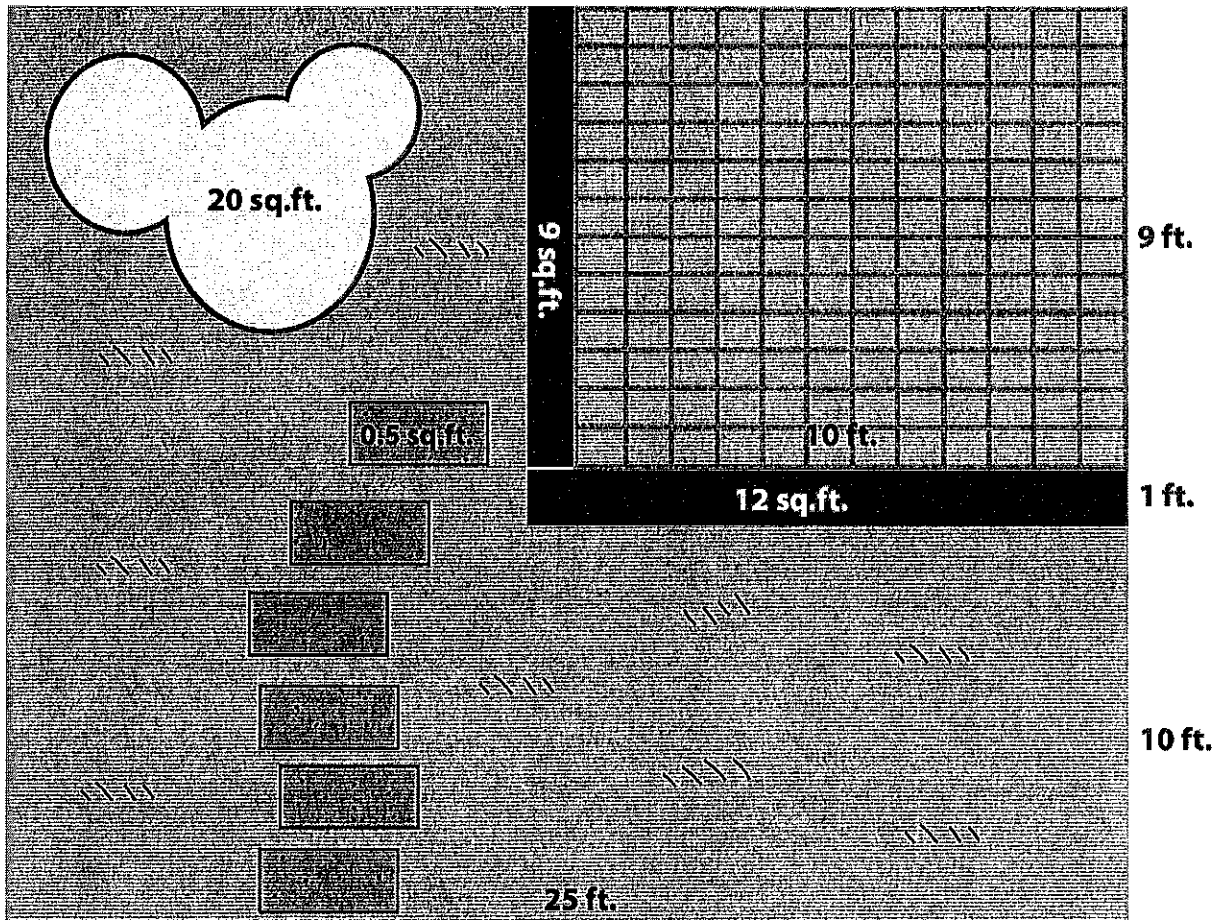
The perimeter is:

The area is:

The perimeter is:

The area is:

Garden Makeover: Calculating Area

$A = l \times w$

**Aunt Marie needs help budgeting her garden makeover.
Use the area formula to calculate how much she has to spend
and record your answers in the table below. Review: Area = Length x Width**

Material		Price per unit	Area	Price
	grass	$5 per sq.ft.		
	deck	$6 per sq.ft.		
	wood trim	$7 per sq.ft.		
	pavement	$1 per piece		
	pond	$10 per piece		

TOTAL =

Name: _____   Date: _____

Cubes and Volume

Volume is the measure of space inside of a solid object.

Volume is measured in **cubic units (cm³)**.
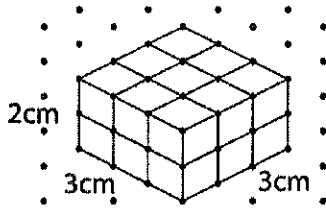
$3cm \times 3cm \times 2cm = V$
$18cm^3 = Volume$

2cm
3cm   3cm

How to Draw the 3D Object
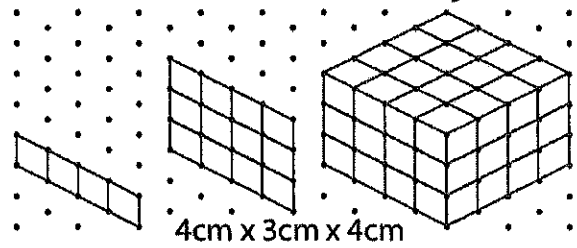
$4cm \times 3cm \times 4cm$

Step 1
Draw Length

Step 2
Draw Height

Step 3
Draw Width

Directions: Draw a rectangular prism with the given dimensions. Label the sides and calculate the volume in cubic centimeters.

1.

2.

$2\ cm \times 4\ cm \times 3\ cm =$ _____ cm^3

$4\ cm \times 1\ cm \times 2\ cm =$ _____ cm^3

3.
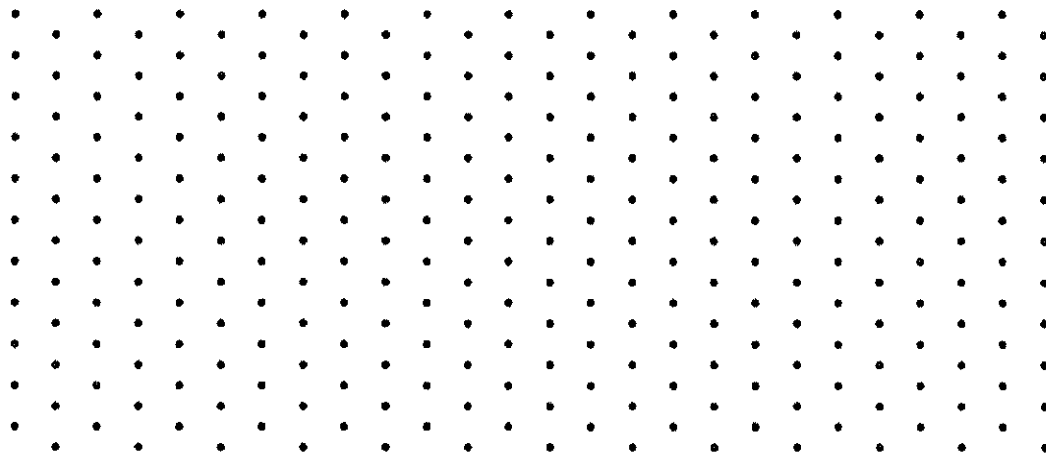
$8\ cm \times 4\ cm \times 3\ cm =$ _____ cm^3

Sorting Triangles

Name:_____   Date:_____

Vocabulary Terms:
- **Acute Triangle -** An acute triangle has three sides and three acute triangles (< 90 degrees).
- **Right Triangle -** A right triangle has three sides and one right angle (= 90 degrees).
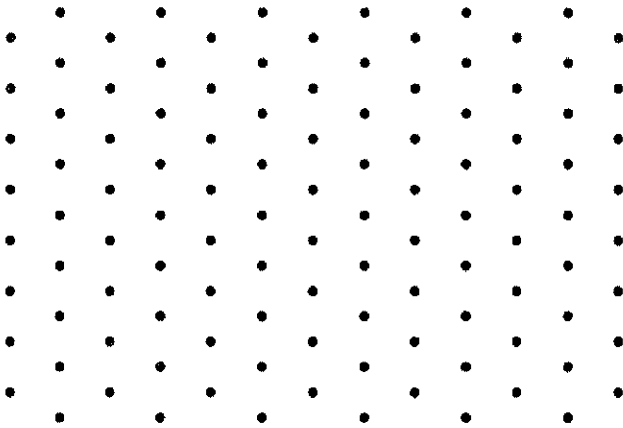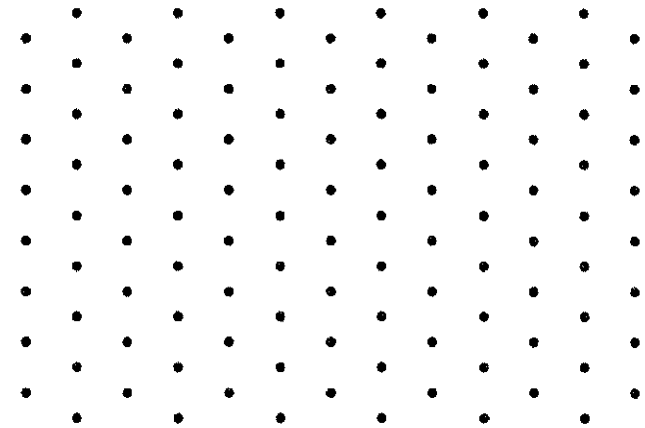- **Obtuse Triangle -** An obtuse triangle has three sides and one obtuse angle (> 90 degrees).

8

3

1

7

6

4

5

9

2

☐ **90 degree = right angle**
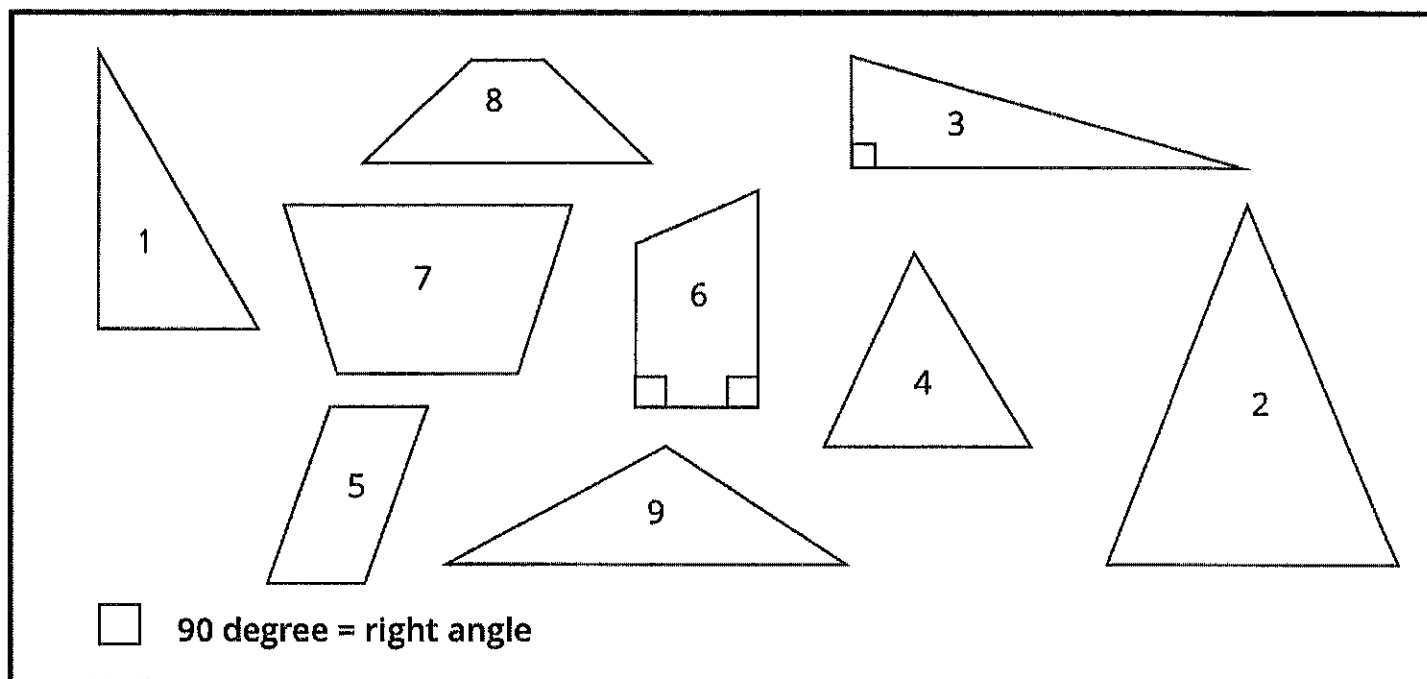
Directions: Categorize all triangles above that apply by listing its number in the proper area of the Venn diagram below.

Acute Triangles

Obtuse Triangles

Right Triangles

Name:_____   Date:_____

Thinking Deeper:
a) How does measurement apply or NOT apply when classifying triangles?

_____

_____

_____

b) Some shapes in the selection box don't qualify for the diagram above; explain why.

_____

_____

_____

c) Another way to classify triangles are by the length of the triangle's sides.

- If a triangle has <u>no equal</u> sides, it is a <u>Scalene</u> triangle.

- If a triangle has <u>2 equal</u> sides, it is an <u>isosceles</u> triangle.

- If a triangle has <u>all equal sides</u>, it is an <u>equalateral</u> triangle. (use the "sorting triangles" page)

Classify triangle 4 by sides. _____

classify triangle 9 by sides. _____

Classify triangle 1 by sides. _____

Name: _____   Date: _____

TRI-ANGLES

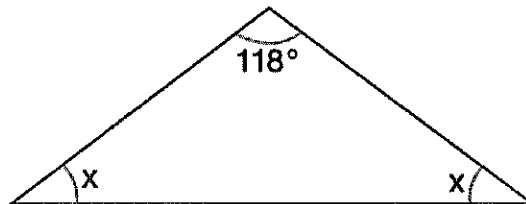Use addition and subtraction to find the missing angle measurements.
Remember: The sum of the angles in a triangle is always 180 degrees.

1.

x

35°

X = _____

2.
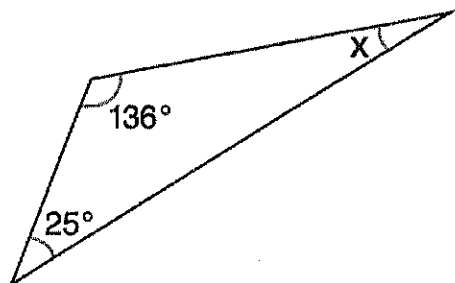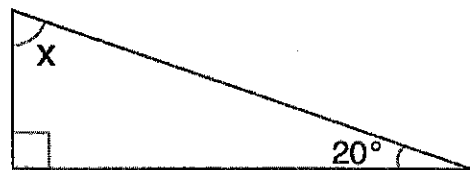
118°

x   x

X = _____

3.

x

136°

25°

X = _____

4.

x

20°

X = _____

5.

x

x   x

X = _____

6.

23°

x

19°

X = _____

7.

64°

x

64°

X = _____

8.

x

47°

X = _____
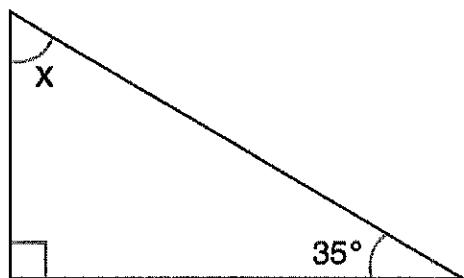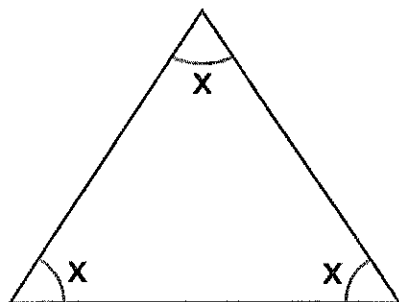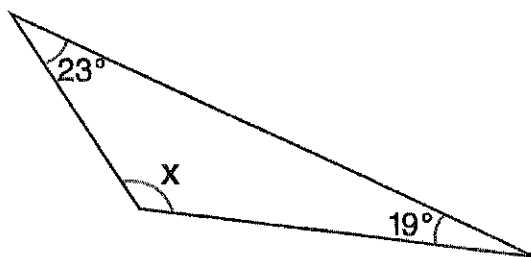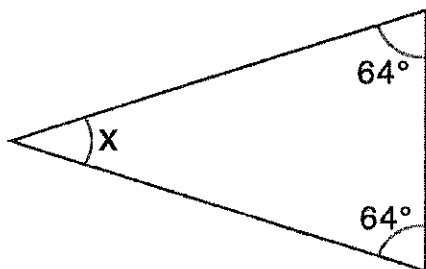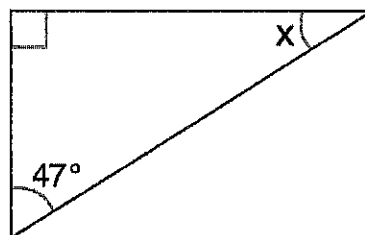
Liquid Measurements
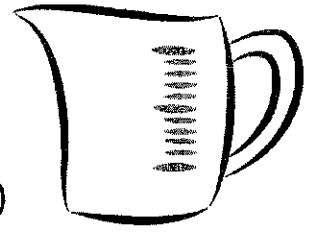
2 cups = 1 pint (pt) | 2 pints = 1 quart (qt) | 4 quarts = 1 gallon (gal)

Part 1. Complete the table by converting cups, pints, quarts, and gallons.

$\frac{1}{8}$ gal	$\frac{1}{4}$ gal	$\frac{1}{2}$ gal		
		2 quarts		
1 pint			8 pints	
	4 cups		16 cups	32 cups

Part 2. Convert the following liquid measurements.

1. 30 pints = _____ cup(s)

2. 30 pints = _____ cup(s)

3. 3 gal = _____ quart(s)

4. 16 quarts = _____ pint(s)

5. 26 pints = _____ quart(s)

6. 21 quarts = _____ cup(s)

7. 102 cups = _____ pint(s)

8. 32 quarts = _____ gallon(s)

9. 56 pint = _____ gallons(s)

10. 68 cups = _____ quart(s)

11. 72 quarts = _____ gallon(s)

12. 3 gal = _____ gallon(s)

13. 32 pints = _____ gallon(s)

14. 6 quarts = _____ cup(s)

15. 12 quarts = _____ gallon(s)

16. 26 pints = _____ gallon(s)

17. 24 cups = _____ gallon(s)

18. 20 pints = _____ gallon(s)

METRIC LENGTH MEASUREMENT : WORD PROBLEMS

Use the conversion chart and the examples to solve the word problems below.

Metric Units of Length: Conversion Chart
1 centimeter (cm) = 10 millimeters (mm)
1 meter (m) = 100 cm
1 kilometer (km) = 1,000 m

To convert from a larger unit to a smaller unit:

Multiply, or move the decimal point to the right based on the number of zeros.

$4 \text{ km} \times 1{,}000 = 4{,}000 \text{ m}$

To convert from a smaller unit to a larger unit:

Divide, or move the decimal point to the left based on the number of zeros.

$19 \text{ mm} \div 10 = 1.9 \text{ cm}$

Santiago walked 500 m per day, every day for one week. How many **kilometers** did he walk all together?	Santiago walked _____ kilometers in one week.
Hyeon swam .7 km in his triathlon. How many **meters** did she swim?	Hyeon swam _____ meters in the race.
Leo ran around the track three times. The track was 400 meters. How many **kilometers** did he run all together?	Leo ran _____ kilometers.
Nousha lined up 10 guitar picks across her desk. Each pick was 12 mm wide. How many **centimeters** long was her line of guitar picks?	Nousha's line of guitar picks was _____ centimeters long.
Betty rode her bike down a block that was 50 meters long. How many **millimeters** did she ride?	Betty rode _____ millimeters.
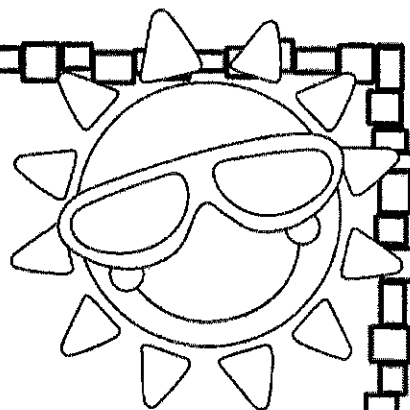
Multi-Step Word Problems
Solving word problems.

Kendra has a ten-dollar bill, a twenty-dollar bill and a five-dollar bill. She bought a shirt for $18.49. How much money does she have left?

Tyson is going to the movies. He has two five-dollar bills and a ten-dollar bill. His ticket is $7.25. He buys a popcorn for $4.50 and a drink for $3.75. How much money does he have left?

Lexie earned $20 mowing her yard and $15 mowing her neighbor's yard. She is saving money to buy a new game that costs $42.99. How much more money does she need to earn?

Multi-Step Word Problems
Solving word problems.

Kendra has a ten-dollar bill, a twenty-dollar bill and a five-dollar bill. She bought a shirt for $18.49. How much money does she have left?
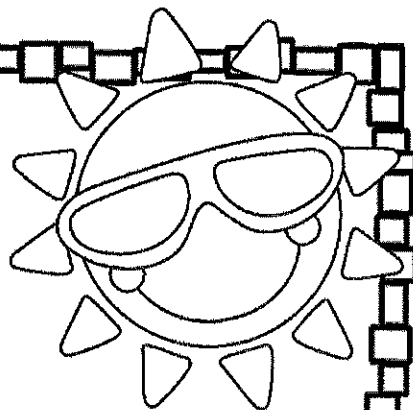
Tyson is going to the movies. He has two five-dollar bills and a ten-dollar bill. His ticket is $7.25. He busy a popcorn for $4.50 and a drink for $3.75. How much money does he have left?

Lexie earned $20 mowing her yard and $15 mowing her neighbor's yard. She is saving money to buy a new game that costs $42.99. How much more money does she need to earn?