

**A.W. James Elementary  
School**

***Math***

**Independent Learning  
Packets**

**Grade 3**

Student Name \_\_\_\_\_

Name \_\_\_\_\_

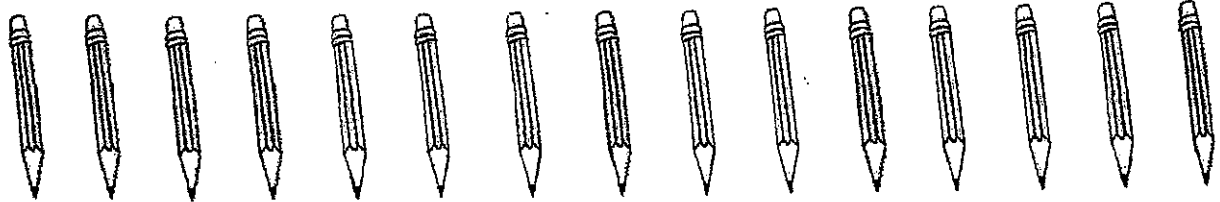
Date \_\_\_\_\_

**Division Word Problems - Guided Lesson**

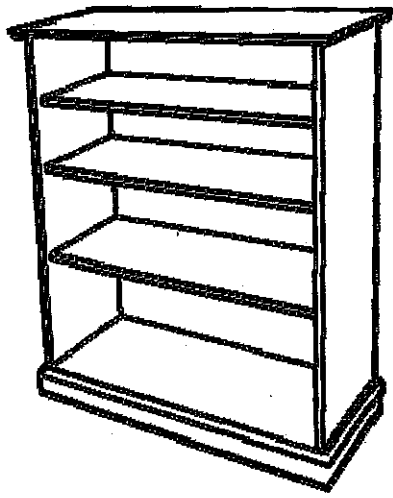
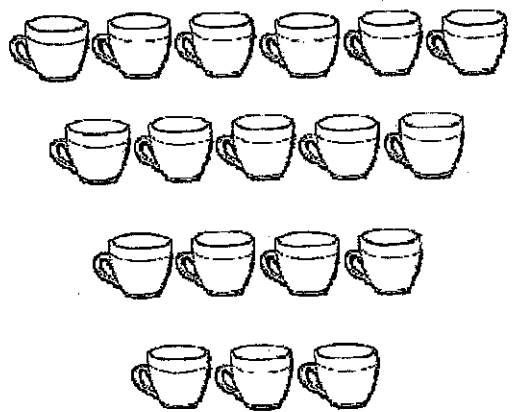
Solve the following problems:

1) A teacher gave out 15 pencils to 3 students. Each student got the same number of pencils. How many pencils did each student get?

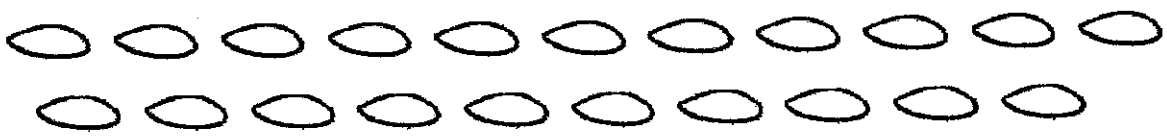
Number of Pencils:



2) A shop keeper was arranging a display of cups in the window. He had 18 cups to display in rows. He decided to display 3 rows with the same number of cups in each row. How many cups did he place in each row?



3) A gardener had 21 seeds to plant in pots. He decided to plant 7 seeds in each pot. How many pots of seeds did he plant?



Name \_\_\_\_\_

Date \_\_\_\_\_

**Visual Multiplication - Matching Worksheet**

Write the letter of the answer that matches the problem.

1. 5 rows of 2

\_\_\_\_\_

##  
##  
##  
##  
##

a. 30

2. 4 rows of 8

\_\_\_\_\_

XXXXXXX  
XXXXXXX  
XXXXXXX  
XXXXXXX

b. 16

3. 5 rows of 6

\_\_\_\_\_

OOOOOO  
OOOOOO  
OOOOOO  
OOOOOO  
OOOOOO

c. 50

4. 2 rows of 8

\_\_\_\_\_

@ @ @ @ @ @ @ @  
@ @ @ @ @ @ @ @

d. 10

5. 3 rows of 8

\_\_\_\_\_

\$\$\$\$\$\$\$\$  
\$\$\$\$\$\$\$\$  
\$\$\$\$\$\$\$\$

e. 32

6. 5 rows of 10

\_\_\_\_\_

QQQQQQQQQQ  
QQQQQQQQQQ  
QQQQQQQQQQ  
QQQQQQQQQQ  
QQQQQQQQQQ

f. 24

7. 6 rows of 6

\_\_\_\_\_

\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*

g. 36



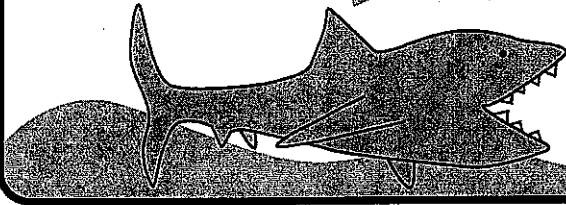
100~500



Greater Than

or Equal To

Less Than



Write in the symbol that makes the problem true.

$>$ ,  $<$  or  $=$

1. 161 <input type="text"/> 116	2. 492 <input type="text"/> 385	3. 277 <input type="text"/> 274
4. 333 <input type="text"/> 338	5. 432 <input type="text"/> 498	6. 204 <input type="text"/> 204
7. 286 <input type="text"/> 118	8. 386 <input type="text"/> 322	9. 231 <input type="text"/> 130
10. 500 <input type="text"/> 483	11. 312 <input type="text"/> 412	12. 429 <input type="text"/> 357
13. 101 <input type="text"/> 101	14. 150 <input type="text"/> 510	15. 334 <input type="text"/> 293

Name \_\_\_\_\_

Date \_\_\_\_\_

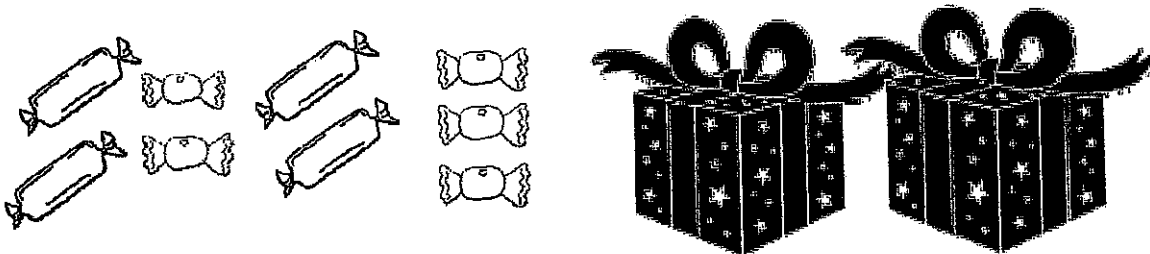
### Word Problems That Use All Operations - Guided Lesson

Solve the following problems:

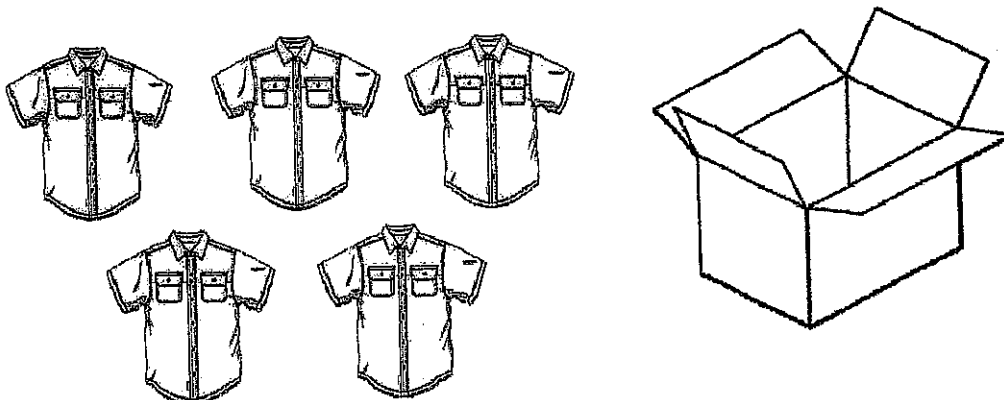
1) Jackson and his friends went to buy 5 dozen eggs. One dozen has 12 eggs. Laura buys 18 eggs. Kim buys 16 eggs. Drew buys 8 eggs. Jackson buys 5 eggs. How many more eggs do they need to buy to reach 5 dozen?



2) Andrew wants to mail 2 boxes of candies. Each box contains 20 candies. He bought 13 candies from a small shop, 10 from downtown, and 8 from a mall. How many more candies does he still need to buy?



3) Dobby has 35 shirts evenly spread over 5 boxes. He donated shirts for the boys' charity from one box. The first boy got 2 shirts and the second boy got 3 shirts. How many shirts are remaining in the box for the boy's charity?



Name \_\_\_\_\_

Date \_\_\_\_\_

**Multiplication and division within - Matching Worksheet**

Match the problems to their answers:

1. 
$$\begin{array}{r} 5 \overline{)15} \end{array}$$

a.5

2. 
$$\begin{array}{r} 11 \\ \times 3 \\ \hline \end{array}$$

b.2

3.  $6 \times 7 =$

c.60

4.  $40 \div 5$

d.8

5. 
$$\begin{array}{r} 20 \\ \times 3 \\ \hline \end{array}$$

e.42

6. 
$$\begin{array}{r} 7 \overline{)14} \end{array}$$

f.3

7.  $50 \div 10$

g.33



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

## Perimeter of a Rectangle

T2L151

A) Find the perimeter of each rectangle for the given measurements.

1) length = 13 ft, width = 8 ft

Perimeter = \_\_\_\_\_

2) width = 3 yd, length = 17 yd

Perimeter = \_\_\_\_\_

3) width = 5 in, length = 19 in

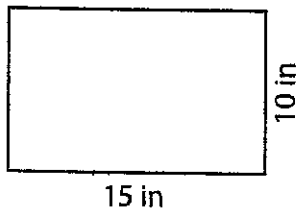
Perimeter = \_\_\_\_\_

4) length = 11 ft, width = 7 ft

Perimeter = \_\_\_\_\_

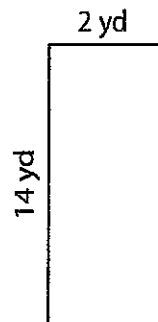
B) Find the perimeter of each rectangle.

5)



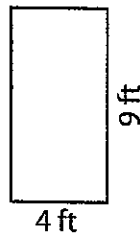
Perimeter = \_\_\_\_\_

6)



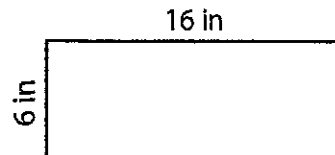
Perimeter = \_\_\_\_\_

7)



Perimeter = \_\_\_\_\_

8)



Perimeter = \_\_\_\_\_

9) The length and the width of a rectangle are 20 yards and 9 yards respectively. Determine the perimeter of the rectangle.

\_\_\_\_\_

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

Score: \_\_\_\_\_

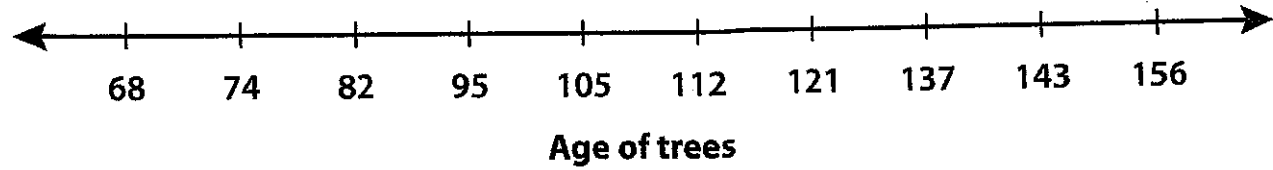
# Make and Interpret

DS1

Kenny, a dendrologist determined the age of a variety of Pine, Fir, Maple, and Oak trees in the woods behind his home. He tabulates the data. Read the data, make a line plot, and answer the following questions.

68	105	143	95	105	74	95	121	112	95
156	121	112	137	82	121	105	95	74	82
121	105	74	105	68	156	74	137	82	105
105	112	121	74	95	156	105	95	137	121

## Dendrology



- 1) How many trees are more than a 110 years old? \_\_\_\_\_
- 2) What is the age of the maximum number of trees in the woods? \_\_\_\_\_
- 3) What is the age of the oldest trees? \_\_\_\_\_
- 4) How many trees are 121 years old? \_\_\_\_\_
- 5) Find the total count of trees whose ages were determined. \_\_\_\_\_



Name \_\_\_\_\_

Date \_\_\_\_\_

### Perimeters of Polygons - Matching Worksheet

Match the word problems to their answers. Write the letter of the answer that matches the problem. The units of measure have been removed.

- \_\_\_\_\_ 1. Jacob has a large sandbox. The sandbox is 12 meters long and 8 meters wide. He wants to surround the sandbox with new pieces of wood. How many meters of wood will he need? a. 15
- \_\_\_\_\_ 2. The perimeter of Sophia's garden is 42 meters. The garden is 6 meters wide. What is the length of the garden? b. 30
- \_\_\_\_\_ 3. Ava's sun shade is 8 meters long and 4 meters wide. What is the perimeter (in m) of the sun shade? c. 40
- \_\_\_\_\_ 4. Mason's bedroom is 14 meters long and 10 meters wide. He wants to cover the ends of the room with molding. How many meters of molding will he need? Assume that he will also purchase molding for the door. d. 24
- \_\_\_\_\_ 5. Abigail is displaying her paintings. Abigail's display area is 5 meters long and 3 meters wide. What is the perimeter of Abigail's display area? e. 16
- \_\_\_\_\_ 6. Chloe walks around a short field for exercise. The field is 18 meters long and 12 meters wide. How far does Chloe walk, if walks directly around the field's perimeter? f. 5
- \_\_\_\_\_ 7. Madison Electronics brought a huge solar panel that is 9 meters long and 6 meters wide. They want to cover the ends of solar panel with tape? How many meters of tape will they need? g. 48
- \_\_\_\_\_ 8. The perimeter of Aiden's book bag is 26 inches. The bag is 8 inches long. How many inches wide is the bag? h. 60



Name \_\_\_\_\_

Date \_\_\_\_\_

**Represent a fraction on a number line Matching Worksheet**

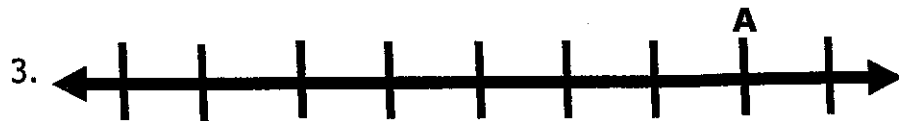
Match the letter "A" on the number line with the correct fractions.



$\frac{7}{8}$  a



$\frac{4}{6}$  b



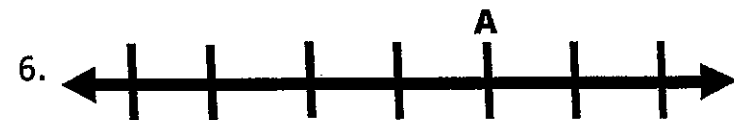
$\frac{2}{7}$  c



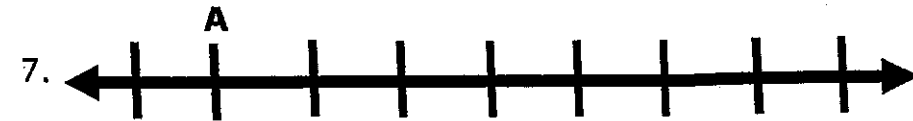
$\frac{5}{7}$  d



$\frac{1}{8}$  e



f



$\frac{3}{5}$

$\frac{4}{7}$  g



$\frac{3}{9}$  h



Name \_\_\_\_\_

Date \_\_\_\_\_

**Understand a Fraction on a Number Line - Independent Practice Worksheet**

Draw and mark a fraction on number line.

1.  $\frac{2}{9}$

2.  $\frac{4}{5}$

3.  $\frac{1}{8}$

4.  $\frac{6}{7}$

5.  $\frac{5}{5}$

6.  $\frac{3}{6}$

7.  $\frac{7}{9}$

8.  $\frac{1}{2}$

9.  $\frac{3}{5}$

10.  $\frac{4}{7}$



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

Score: \_\_\_\_\_

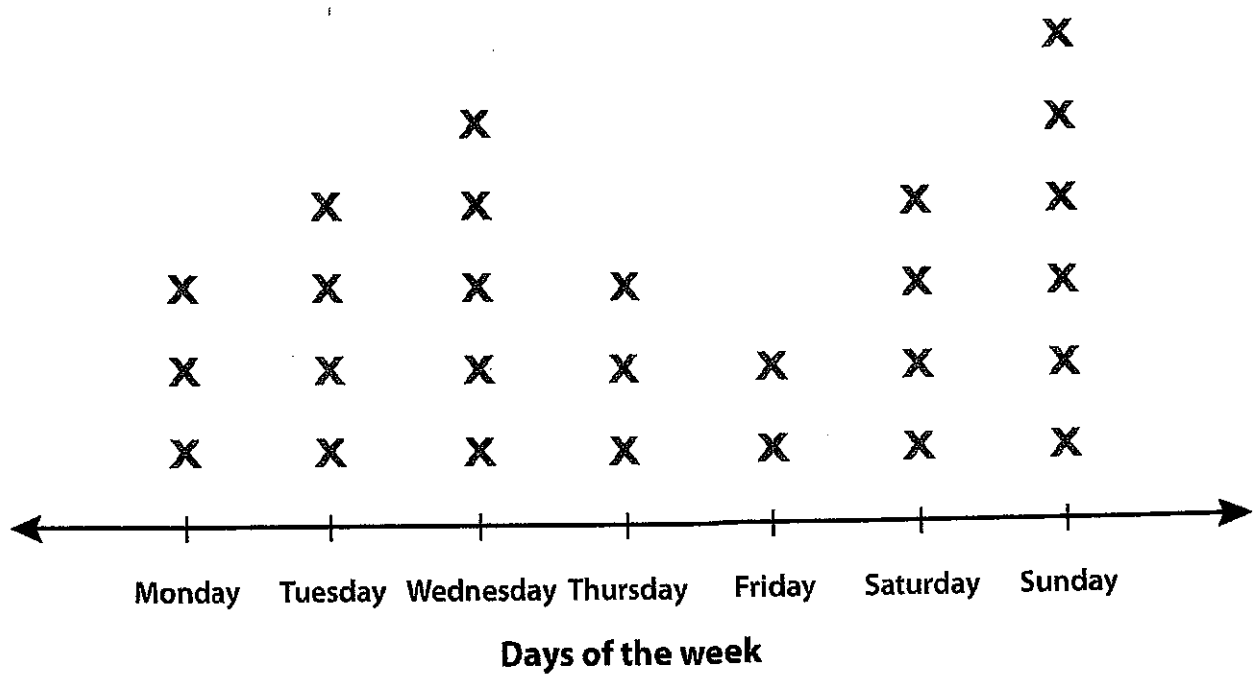
# Interpreting Line Plot

CS1

Daniel, the Manager of Lava's bakery collected data on the sale of cookies made in a week. The line plot below represents the number of cookies sold within a period of seven days. Read the line plot and answer the questions.

### Cookie Sales

**X = 4 Cookies**



- How many cookies were sold on Monday? \_\_\_\_\_
- On which day did Lava's bakery record the lowest sales of cookies? \_\_\_\_\_
- How many cookies were sold on Wednesday? \_\_\_\_\_
- On which day did Lava's bakery record the maximum sales of cookies? \_\_\_\_\_
- How many cookies were sold over the weekend? \_\_\_\_\_

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

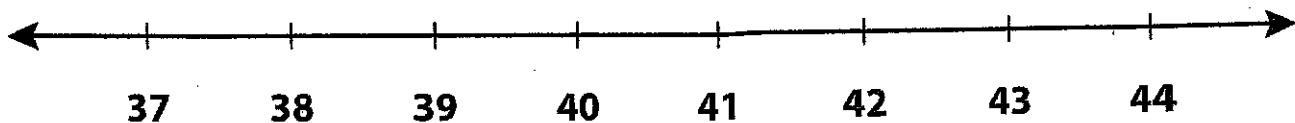
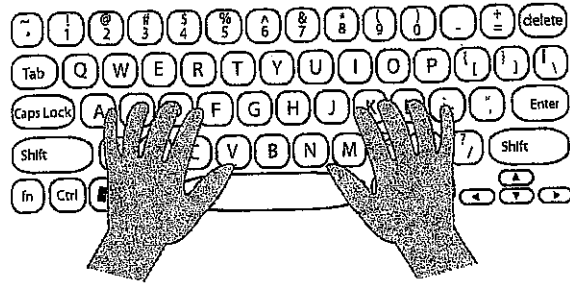
Score : \_\_\_\_\_

# Making a Line Plot

CS1

Thirty students took an online typing test to determine their typing speed. Recorded and tabulated below is the typing speed (words per minute) of each student. Read the data carefully, label the axes, and provide an appropriate title. Also, make a line plot to represent the data.

39	37	40	42	44	41
43	38	39	43	42	40
39	40	41	42	43	44
41	42	44	43	44	40
42	37	43	38	40	41

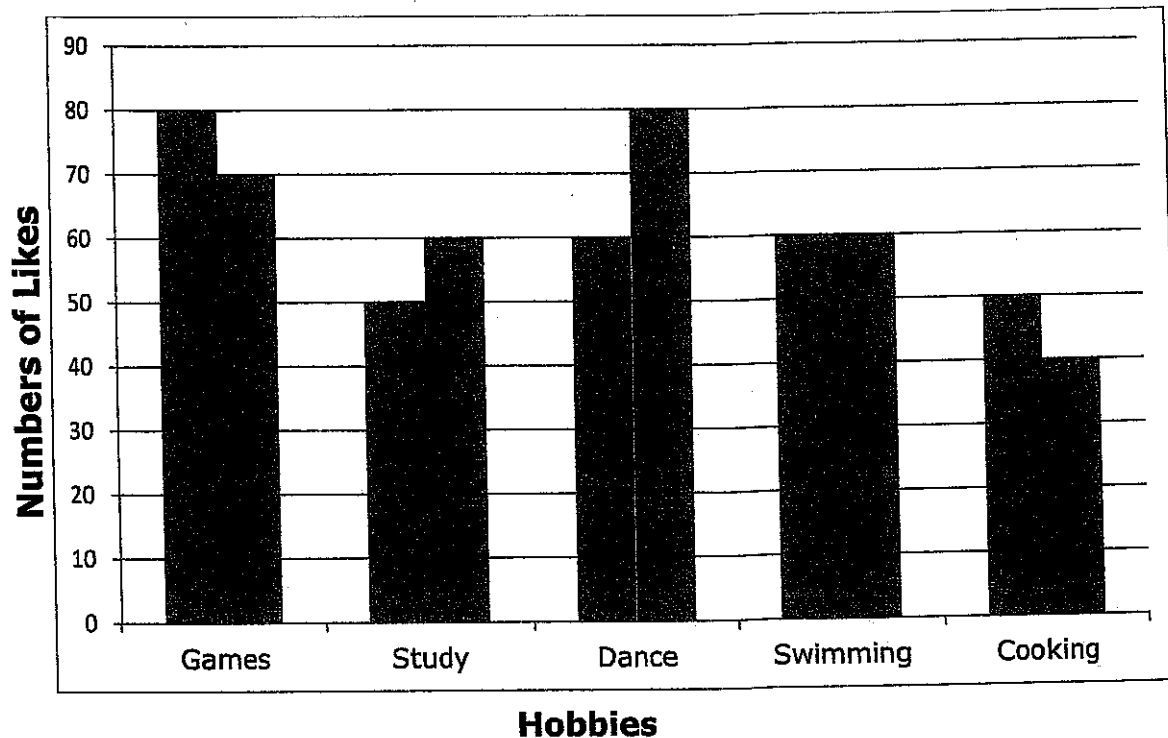


Handwritten mark or signature at the bottom center.

Name \_\_\_\_\_

Date \_\_\_\_\_

B. 100 boys and 100 girls in a dance school were surveyed about their hobbies. They were asked if they like or dislike participating in five different activities. This bar chart shows the data of the survey. Study the bar graph and answer the following questions.



Boys

Girls

6. Who likes studying more?

7. Which activity received the same number of likes and dislikes by students?

8. Who likes playing games the most?

9. As a whole, did more boys or girls like these five activities?

10. Overall which is the least popular activity?



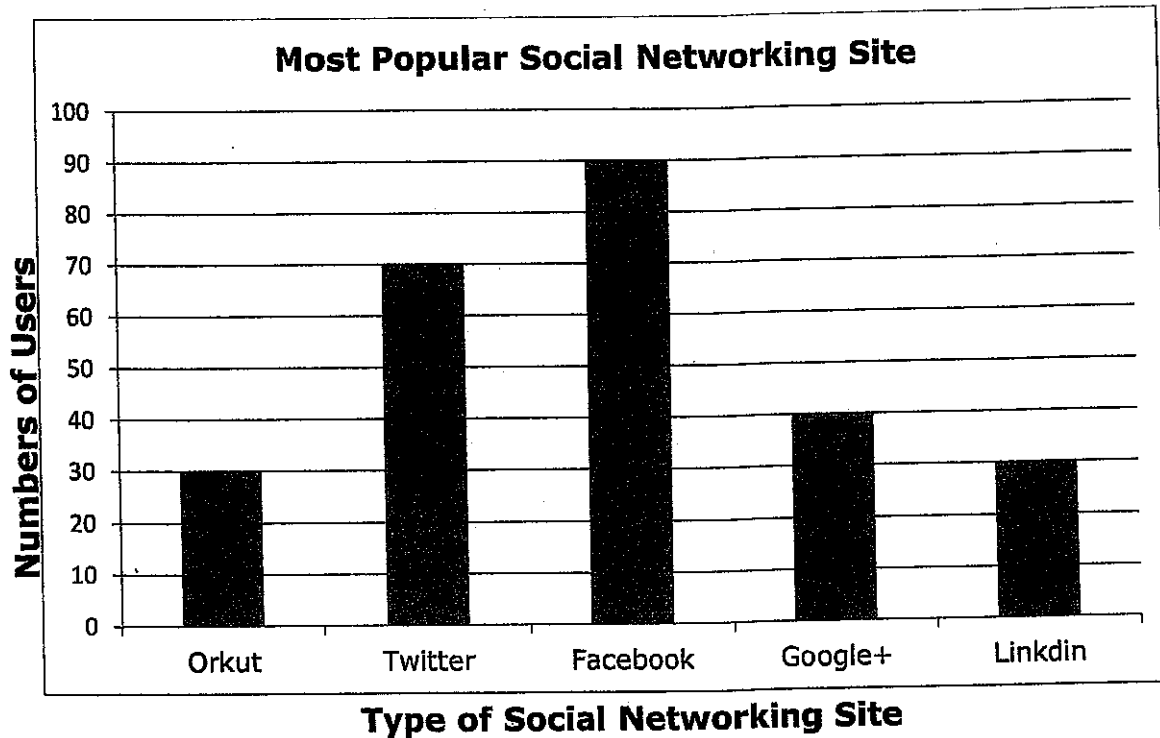
Name \_\_\_\_\_

Date \_\_\_\_\_

### Reading Bar Graphs - Independent Practice Worksheet

Complete all the problems.

A. People were surveyed about their favorite social networking site. This bar chart shows the data of the survey. Study the bar graph and answer the following questions.



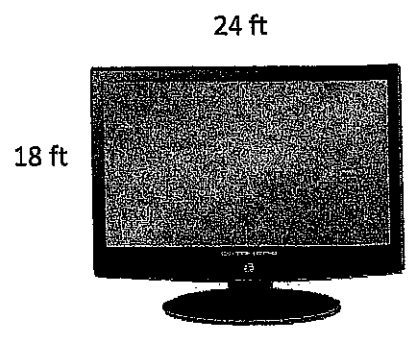
1. Which is the most popular social networking site?
2. Which two sites are equally as popular?
3. Which site is the second most popular?
4. Which site has more than 50 users based on the graph?
5. Which site has 90 users from the group surveyed?



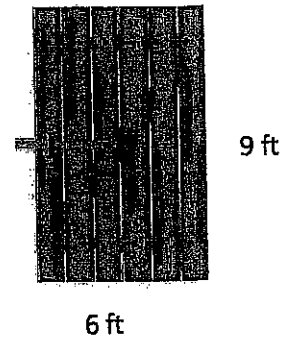
Name \_\_\_\_\_

Date \_\_\_\_\_

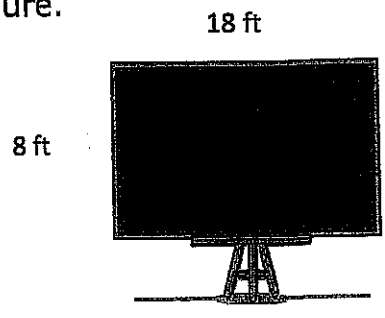
7. Find the perimeter of the LCD TV.



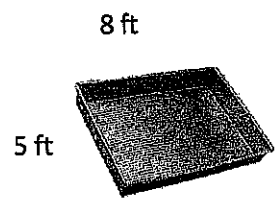
8. Find the area of the figure.



9. Find the area of the figure.



10. Find the area of the cake pan.





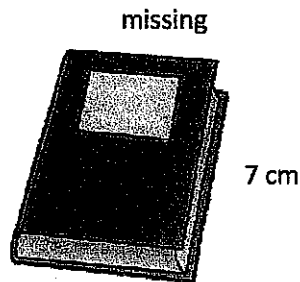
Name \_\_\_\_\_

Date \_\_\_\_\_

### Perimeter of Polygons In Word Problems Independent Practice

Complete all the problems.

1. A rectangle's perimeter is 54 square meters. The rectangle is 18 meters long. What is its width?
2. A rectangular piece of cheese is 9 centimeters long and 5 centimeters wide. What is its perimeter?
3. A square ice cream box has sides that are 19 feet long. What is the area of the ice cream box?
4. A rectangular table is 14 centimeters long and 12 centimeters wide. What is its perimeter?
5. A rectangular match box is 6 centimeters long and 9 centimeters wide. What is its perimeter?
6. Find the width of the book. The book's perimeter is 22 cm.



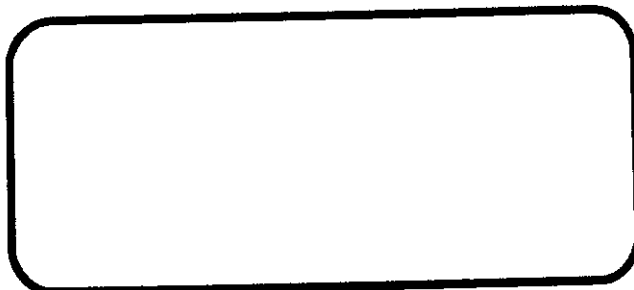
Name \_\_\_\_\_

Date \_\_\_\_\_

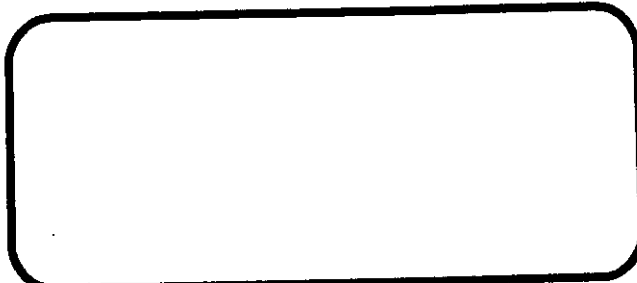
### Multiplication and Division Word Problems - Independent Worksheet

Complete all the problems. Make sure to draw pictures to help you solve the problems.

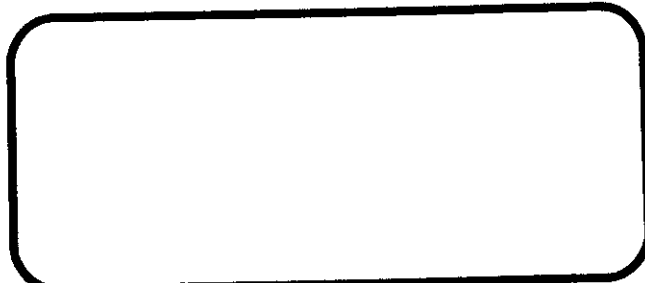
1. Anthony delivers 12 milk boxes 4 times a week. How many milk boxes did he deliver in a week?



2. Ben walks around a circular yard. It takes him 15 minutes to completely walk 1 time around. How many minutes did he take to complete 5 circles around the yard?



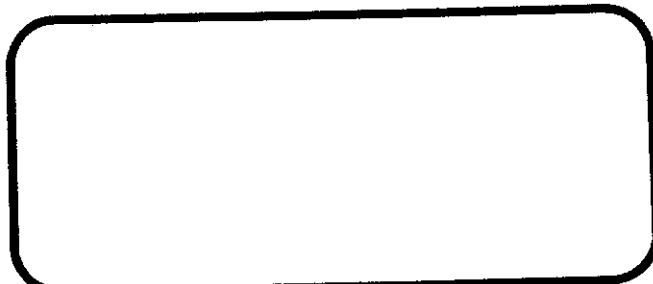
3. There are 20 bikes in the parking lot. If they are divided into 4 groups, how many bikes are there in each group?



4. Nancy's garden has 4 rows of roses with 8 roses in each row. How many roses are in her garden?



5. Karen bought 20 mangoes. She wants to divide them among 5 people. How many mangoes would each person get?

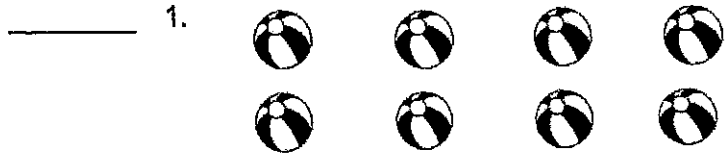


Name \_\_\_\_\_

Date \_\_\_\_\_

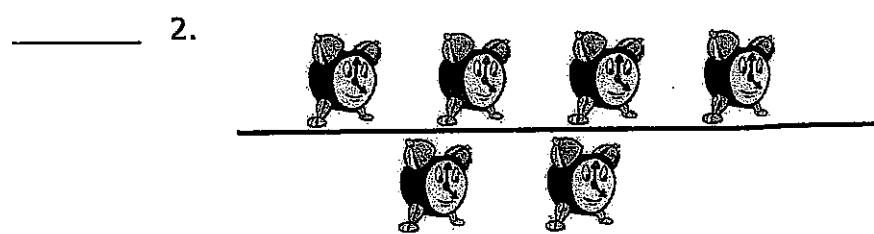
**Multiplication and Division Word Problems - Matching Worksheet**

Match the sentences with the images.



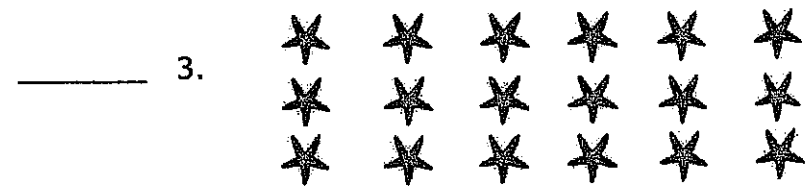
a.  $5 \div 5 = 1$

Type the complete multiplication sentence.



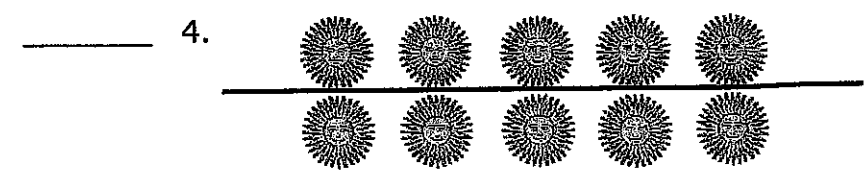
b.  $2 \times 4 = 8$

Type the complete division sentence.



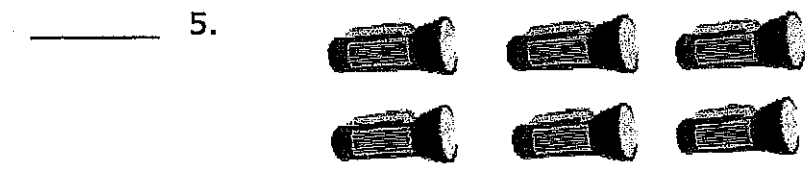
c.  $3 \times 2 = 6$

Type the complete multiplication sentence.



d.  $4 \div 2 = 2$

Type the complete division sentence.



e.  $6 \times 3 = 18$

Type the complete multiplication sentence.



Name \_\_\_\_\_

Date \_\_\_\_\_

**Multiplication and Division within 100 - Independent Practice**

Solve following problems:

A) Multiply two numbers:

(1) 12

X 3

(2)  $6 \times 4 =$

(3) 14

X 2

(4)  $9 \times 8 =$

(5) 10

X 3

(6)  $5 \times 7 =$

B) Divide two numbers:

(7)  $63 \div 7 =$

(8)  $5 \overline{)45}$

(9)  $54 \div 9 =$

(10)  $6 \overline{)12}$



Name \_\_\_\_\_

Date \_\_\_\_\_

6. Benny has 60 roses. She divided an equal numbers of roses between 6 friends. How many roses does each friend get?

7. Lisa put 50 paper pins in her pin box. The box has 5 rows. If each row has the same number of paper pins, how many pins did Lisa put on each row?

8. Edward had 5 boxes of pens. Each box had 15 pens in it. How many pens did Edward have in total?

9. Anthony gets 36 new toy cars. If the toy cars come in packs of 4, how many packs of toy cars did Anthony get?

10. The wardrobe is full. If there are 20 shirts in 5 rows, how many shirts are in each row?

