Name: _____

Rounding

Complete the table. Round each number to the nearest ten, the nearest hundred, and/or the nearest thousand.

Number	Nearest Ten	Nearest Hundred	Nearest Thousand
6,714	6,710		
562		600	
1,234			1,000
5,678		5,700	
4,007			4,000
8,209		8,200	
9,055	9,060		

Choose any numbers for the first column that will correctly complete the table.

Number	Nearest Ten	Nearest Hundred	Nearest Thousand
	7,770	7,800	8,000
	9,430	9,400	9,000

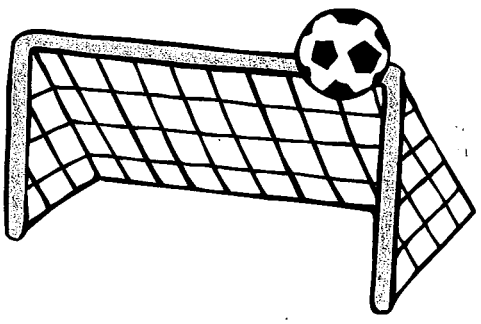
Name: _____

Addition And Subtraction: Regrouping

Addition means "putting together" or adding two or more numbers to find the sum. Subtraction means "taking away" or subtracting one number from another to find the difference. To regroup is to use one ten to form ten ones, one 100 to form ten tens and so on.

Directions: Add or subtract. Regroup when needed.

92 -47	58 +26	63 +18	77 -38
27 -17	31 +42	56 -29	67 +33
72 +19	87 -58	93 -89	54 +27



The soccer team scored 83 goals this year. The soccer team scored 68 goals last year. How many goals did they score in all? _____

How many more goals did they score this year than last year? _____

Name: _____

Subtraction: Regrouping

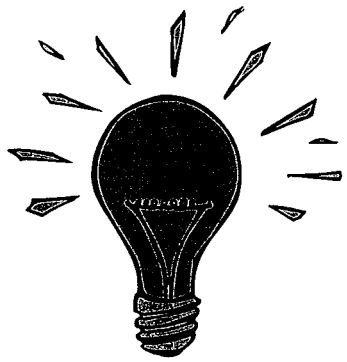
Directions: Study the example. Follow the steps. Subtract using regrouping. If you have to regroup to subtract ones and there are no tens, you must regroup twice.

Example:

$$\begin{array}{r} 300 \\ -182 \\ \hline 118 \end{array}$$

Steps:

1. Subtract ones. You cannot subtract 2 ones from 0 ones.
2. Regroup. No tens. Regroup hundreds (2 hundreds + 10 tens).
3. Regroup tens (9 tens + 10 ones).
4. Subtract 2 ones from ten ones.
5. Subtract 8 tens from 9 tens.
6. Subtract 1 hundred from 2 hundreds.

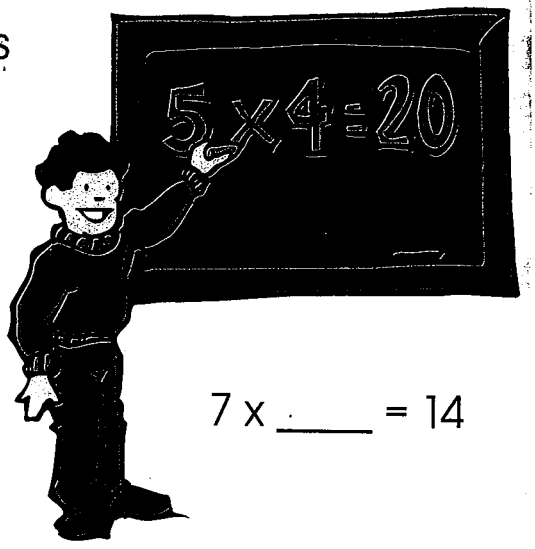


602 -423	306 -128	600 -263	807 -499	703 -328
800 -557	206 -137	400 -224	508 -379	909 -769
207 -138	604 -397	308 -199	700 -531	900 -278

Name: _____

Review

Directions: Multiply or divide. Fill in the blanks with the missing numbers or x or ÷ signs. The first one is done for you.

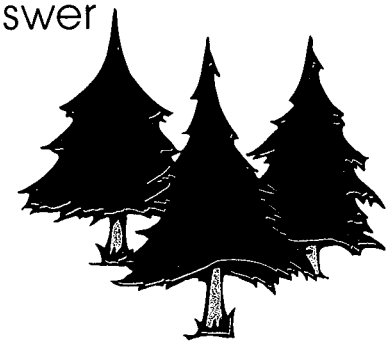


5 x 4 = 20	6 x 8 = ____	7 x ____ = 14
3 _ 6 = 18	7 x 2 = ____	____ x 3 = 24
6 _ 2 = 3	24 ÷ 6 = ____	6 x 5 = ____
25 _ 5 = 5	49 ÷ 7 = ____	8 x ____ = 32
3 _ 8 = 24	18 ÷ 3 = ____	9 x 5 = ____
12 _ 3 = 4	9 x 8 = ____	6 x ____ = 36

Name: _____

Division

Division is a way to find out how many times one number is contained in another number. The ÷ sign means "divided by." Another way to divide is to use ⌐‾‾. The dividend is the larger number that is divided by the smaller number, or divisor. The answer of a division problem is called the quotient.



Directions: Study the example. Divide.

Example:

20 ÷ 4 = 5

dividend **divisor** **quotient**

quotient

5

4 ⌐ 20

divisor **dividend**

35 ÷ 7 = ____ 7 ⌐ 35 42 ÷ 6 = ____ 6 ⌐ 42

2 ⌐ 12 3 ⌐ 18 4 ⌐ 36 5 ⌐ 50

6 ⌐ 24 7 ⌐ 21 8 ⌐ 32 9 ⌐ 27

36 ÷ 6 = ____ 28 ÷ 4 = ____ 15 ÷ 5 = ____ 12 ÷ 2 = ____

A tree farm has 36 trees. There are 4 rows of trees.
How many trees are there in each row? _____

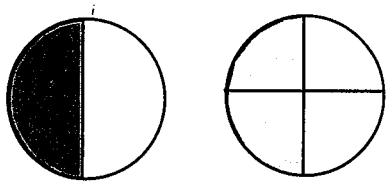
Name: _____

Fractions: Equivalent

Fractions that name the same part of a whole are equivalent fractions.

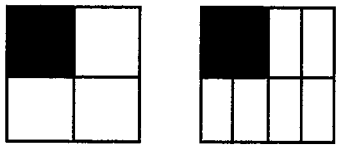
Example:

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

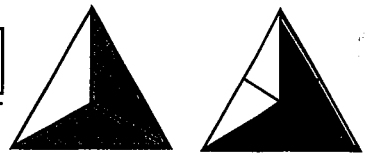


Directions: Fill in the numbers to complete the equivalent fractions.

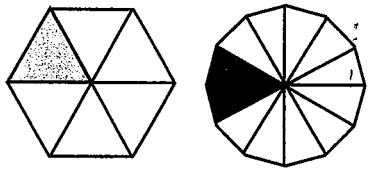
$\frac{1}{4} = \frac{\square}{8}$



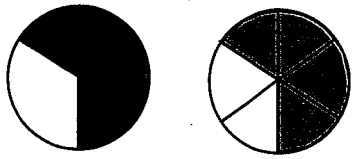
$\frac{2}{3} = \frac{\square}{6}$



$\frac{1}{6} = \frac{\square}{12}$



$\frac{2}{3} = \frac{\square}{6}$



$\frac{1}{3} = \frac{\square}{12}$

$\frac{1}{5} = \frac{\square}{15}$

$\frac{1}{4} = \frac{\square}{8}$

$\frac{1}{2} = \frac{\square}{6}$

$\frac{2}{3} = \frac{\square}{9}$

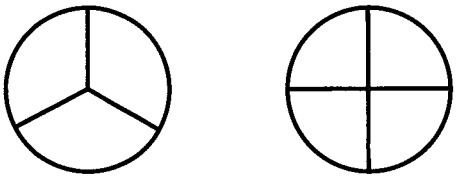
$\frac{2}{6} = \frac{\square}{18}$

Name: _____

Comparing Fractions

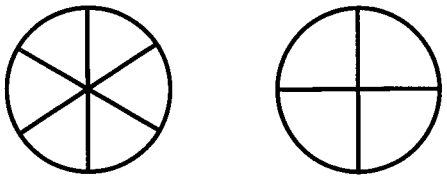
Shade the correct fraction of each shape.
Then compare each pair of fractions using the symbols **<**, **>**, and **=** .

a.



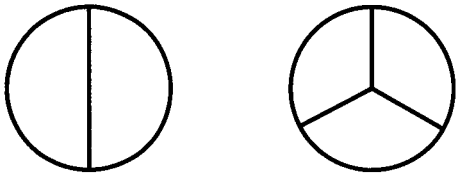
$\frac{1}{3}$ ◯ $\frac{1}{4}$

b.



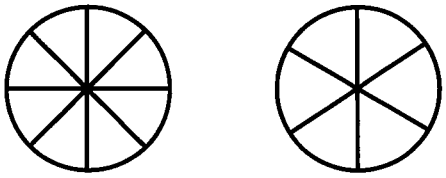
$\frac{5}{6}$ ◯ $\frac{3}{4}$

c.



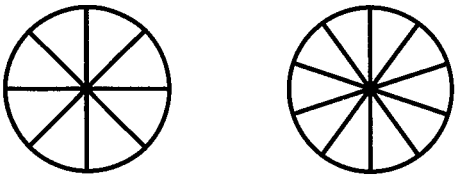
$\frac{1}{2}$ ◯ $\frac{2}{3}$

d.



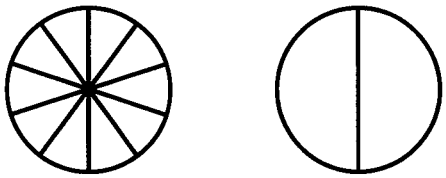
$\frac{5}{8}$ ◯ $\frac{5}{6}$

e.



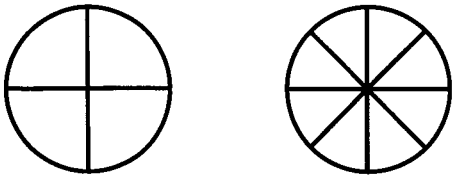
$\frac{7}{8}$ ◯ $\frac{9}{10}$

f.



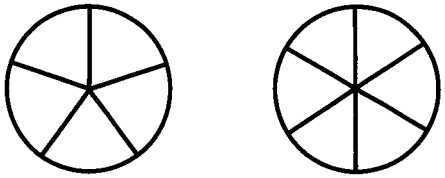
$\frac{5}{10}$ ◯ $\frac{1}{2}$

g.



$\frac{3}{4}$ ◯ $\frac{6}{8}$

h.

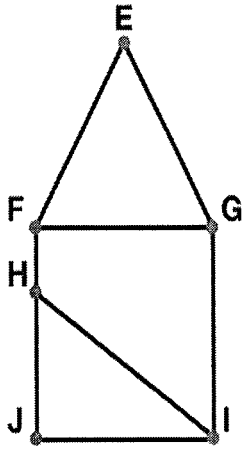


$\frac{4}{5}$ ◯ $\frac{4}{6}$

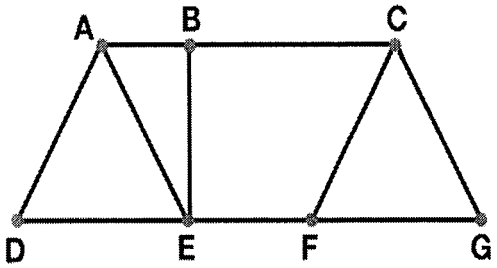
Name: _____

Find the Angles

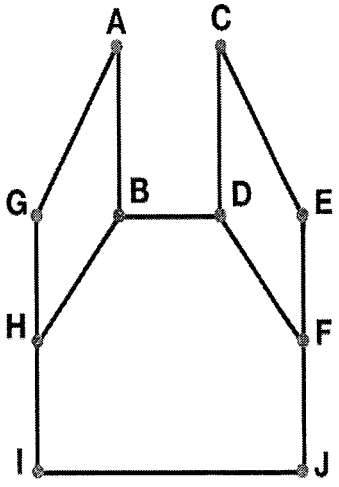
Acute Angles	Obtuse Angles	Right Angles



Acute Angles	Obtuse Angles	Right Angles



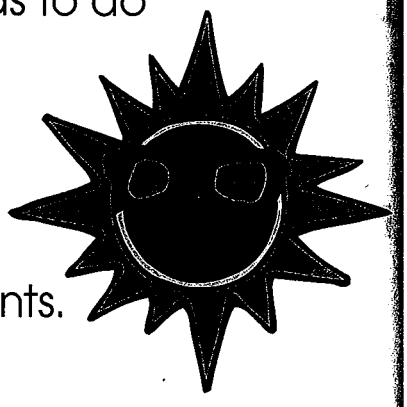
Acute Angles	Obtuse Angles	Right Angles



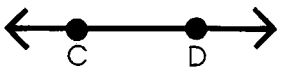
Name: _____

Geometry: Lines Segments, Rays, Angles

Geometry is the branch of mathematics that has to do with points, lines and shapes.

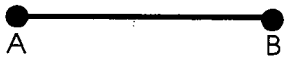


A **line** goes on and on in both directions. It has no end points.



Line CD

A **segment** is part of a line. It has two end points.

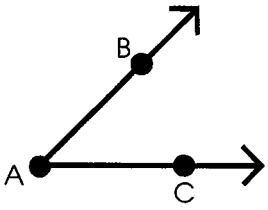


Segment AB

A **ray** has a line segment with only one end point. It goes on and on in the other direction.

Ray EF

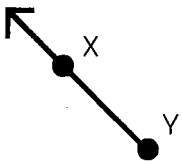
An **angle** has two rays with the same end point.



Angle BAC

Directions: Write the name for each figure.

line



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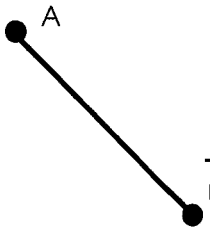

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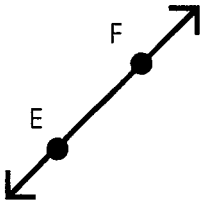

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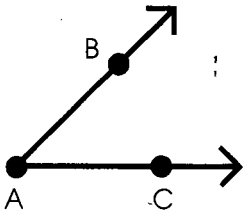

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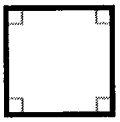
_____

Name: _____

Quadrilaterals

Quadrilaterals are any polygon with four sides and four angles.

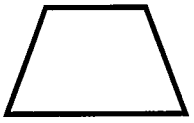


Square
All sides are the same length; there are four right angles

Rectangle
Opposite sides are parallel and the same length; there are four right angles

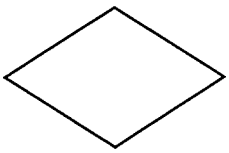
Parallelogram
Two pairs of opposite parallel sides

Rhombus
Two pairs of parallel sides; all sides are the same length



Trapezoid
Only one pair of parallel sides

Write the name of each quadrilateral.

a. 

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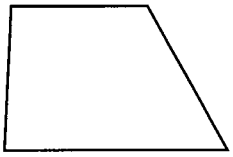
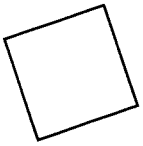
b. 

_____

c. 

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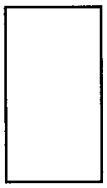
d. 

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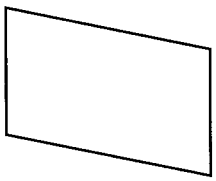
e. 

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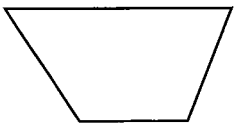
f. 

_____

g. How can you tell the difference between a parallelogram and a trapezoid?

_____

_____

h. How can you tell the difference between a square and a rhombus?

_____

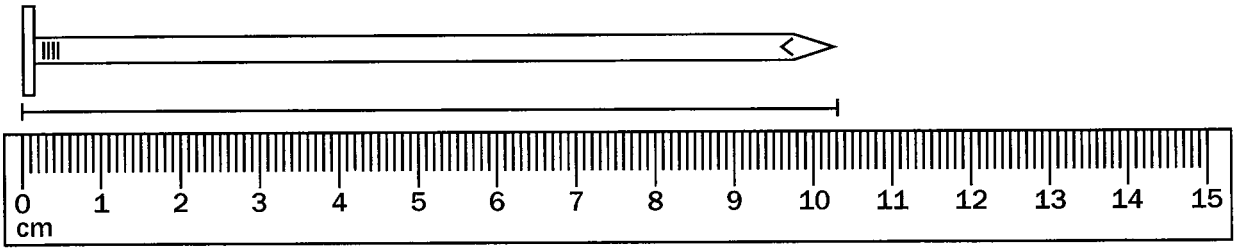
_____

Name: _____

Measuring Millimeters

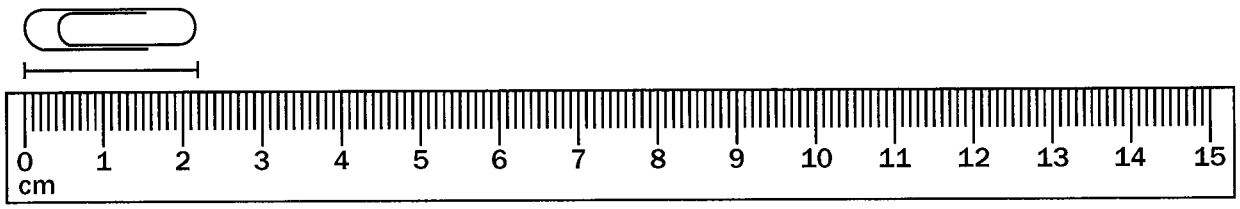
Measure each object to the nearest millimeter with the ruler shown.

a.



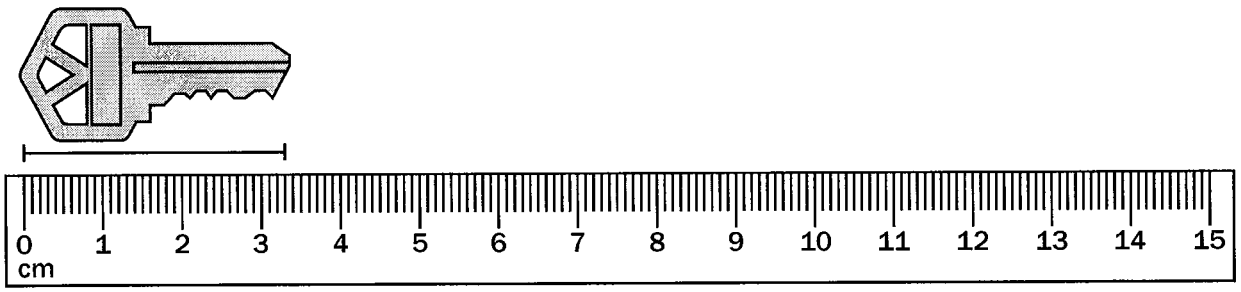
_____

b.



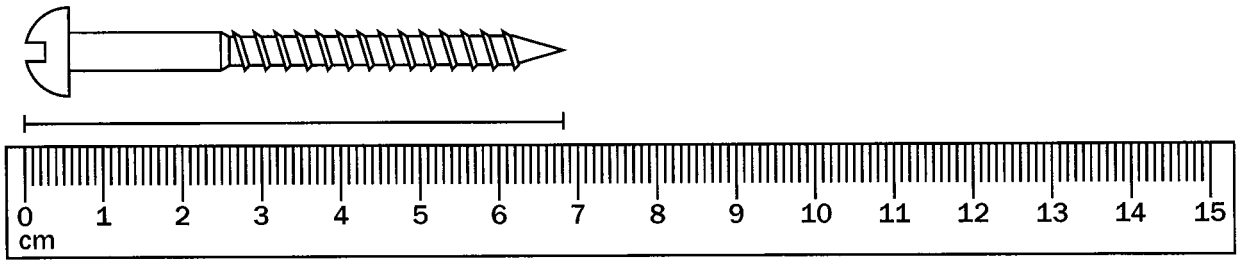
_____

c.



_____

d.



_____

Name: _____

Measuring to the Nearest Half Inch

Measure the length of each line segment to the nearest half inch.

a. 

b. 

c. 

d. 

e. 

f. 

g. 

h. 

i. 

j. 

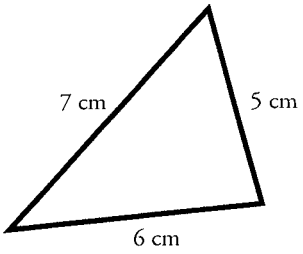
k. 

Name: _____

Perimeter of a Polygon

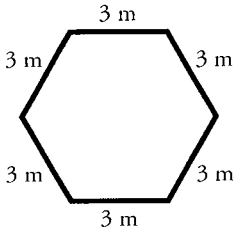
Find the perimeter of each shape by adding the lengths of each side.

a.



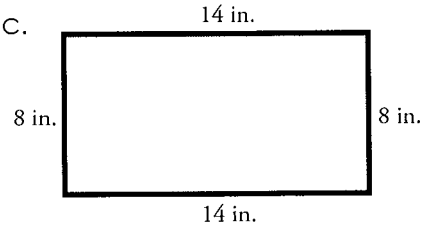
_____

b.



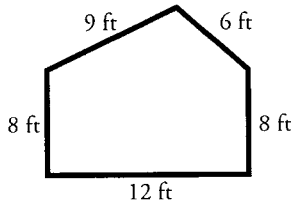
_____

c.



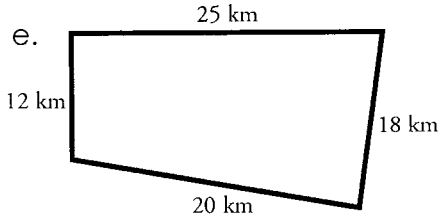
_____

d.



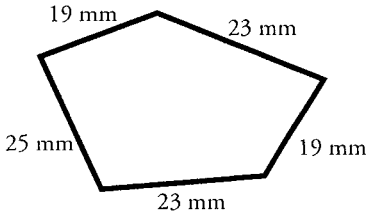
_____

e.



_____

f.



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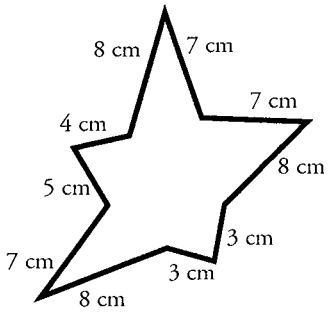

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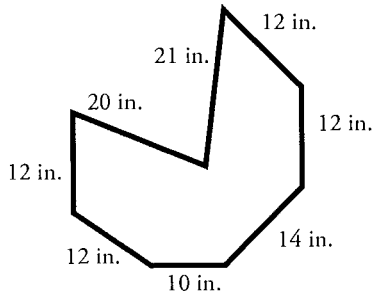

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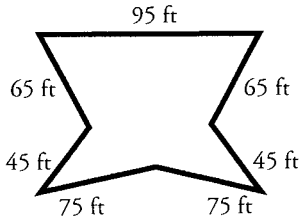

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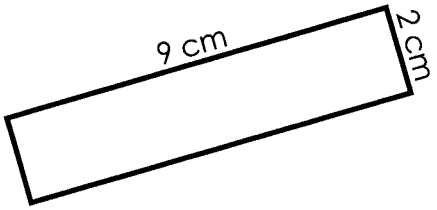
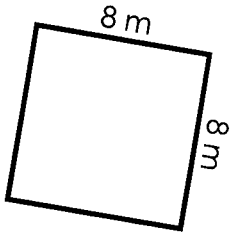
Challenge: Draw a square with a perimeter of 180 yards. Label the lengths of each side.

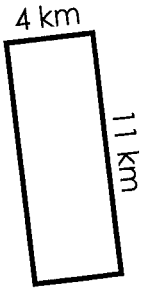
Name: _____

Areas of Rectangles

Find the areas of the rectangles. Be sure to include the units in your answer.

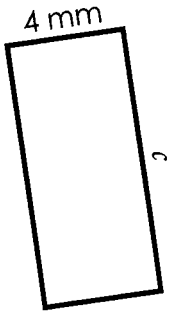


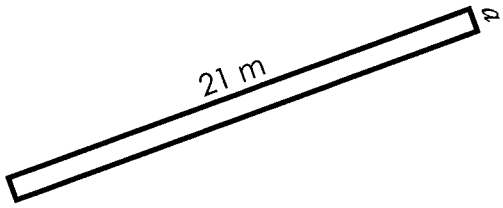


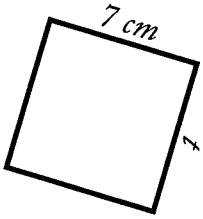


A = _____ A = _____ A = _____

Find the lengths of the unknown sides. Be sure to include the units in your answer.







A = 36 mm² A = 21 m² A = 49 cm²

Side c = _____ Side a = _____ Side t = _____

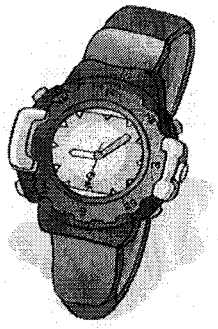
A rectangle has a width of 20 m and an area of 60 m.
What is the length of the rectangle? _____

A rectangle has an area of 36 mm². All of the sides are the same length.
What is the length of a single side? _____

Your name: _____

Elapsed Time

Nearest Minute



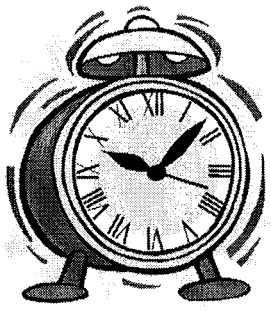
Complete the table by filling in the elapsed times.

Start Time	End Time	Elapsed Time
5:00 A.M.		3 hours and 57 minutes
8:00 P.M.	10:44 P.M.	
11:55 P.M.		23 minutes
1:35 P.M.		5 hours and 40 minutes
	4:16 A.M.	1 hour and 31 minutes
3:18 P.M.	7:09 P.M.	
	4:20 A.M.	2 hours
Noon	2:35 P.M.	
	8:10 P.M.	12 minutes

Your name: _____

Elapsed Time

Nearest Minute



Complete the table by filling in the elapsed times.

Start Time	End Time	Elapsed Time
6:00 A.M.	7:55 A.M.	1 hour and 55 minutes
1:00 P.M.	3:44 P.M.	
12:00 P.M.	5:18 P.M.	
12:30 P.M.	7:10 P.M.	
4:35 A.M.	11:25 A.M.	
2:04 P.M.	2:55 P.M.	
5:25 A.M.	6:20 A.M.	
Midnight	2:35 A.M.	
2:58 P.M.	4:37 P.M.	

14 Multiplication

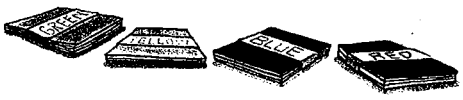
Date / /

Name

☆☆

Score /100

1 A packet of colored paper is 30¢. You bought 4 packets. How much did you have to pay? 10 points



Price per packet [30] × Number of packets [ ] = Total cost [ ]

〈Ans.〉

2 A pencil costs 60¢. If Julie bought 3 pencils, how much did she have to spend? 10 points

Price of pencil [ ] × Number of pencils [ ] = Total cost [ ]

〈Ans.〉

3 I want to ask mother for enough money to buy 4 erasers. If they are 50¢ each, how much do I have to get? 10 points

Price of eraser [ ] × Number of erasers [ ] = Total cost [ ]

〈Ans.〉

4 After the trip to the grocery store, Will has to bring in the oranges. If there are 10 bags with 4 oranges each, how many total oranges is Will bringing? 10 points

Number of oranges per bag [ ] × Number of bags [ ] = Total oranges [ ]

〈Ans.〉

5 At the cafeteria, there are 10 couches and 5 people can sit on each couch. How many people can sit on the couches at the cafeteria? 10 points

〈Ans.〉

6 In our party today at school, everyone is supposed to get 8 candies. If we have 30 people in the class, how many candies do we need? 10 points

Number of candies per person		Number of people		Total candies
	×		=	

〈Ans.〉

7 Robin loves being a florist. Today, she is tying bunches of flowers together, with 6 flowers in each bunch. If she is making 40 bunches, how many flowers should she start with? 10 points

Number of flowers per bunch		Number of bunches		Total flowers
	×		=	

〈Ans.〉

8 The gardener gave each child 5 seeds to plant. If there are 32 children, how many seeds did the gardener give away? 10 points

〈Ans.〉

9 You found your favorite type of gum cheap at one store – only 20¢ each. You bought 18 packs. How much did you spend? 10 points

〈Ans.〉

10 There are 36 people in Tim's class. If he wants to give them each 3 sheets of paper, how many sheets will he need? 10 points

〈Ans.〉

16 Division

Date / /

Name

☆☆

Score /100

1 If 2 people get to share 6 candies equally, how many candies will each person get? 10 points

Total candies		Number of people		Number of candies per person
6	÷	2	=	3

〈Ans.〉

2 If 2 people have to share 8 sheets of paper equally, how many sheets will each person get? 10 points

Total sheets of paper		Number of people		Number of sheets per person
8	÷	2	=	

〈Ans.〉

3 If 3 people have to share 6 pencils equally, how many pencils will each person get? 10 points

Total pencils		Number of people		Number of pencils per person
6	÷		=	

〈Ans.〉

4 On Halloween night, Mrs. Kwan had 12 candies left. 3 children came to the door, and she shared the candies equally among their bags. How many candies did each child get? 10 points

Total candies		Number of children		Number of candies per child
	÷		=	

〈Ans.〉

5 We have 15 pencils in my group today. If the 3 of us share them equally, how many pencils will I get? 10 points

Total pencils ☐ ÷ Number of people ☐ = Number of pencils per person ☐

〈Ans.〉

6 Yesterday, we had 15 pencils in my group, too, but we had 5 people in the group. If we shared the pencils equally yesterday, how many pencils did I get then? 10 points

Total pencils ☐ ÷ Number of people ☐ = Number of pencils per person ☐

〈Ans.〉

7 Gina is putting together gift bags for Valentine's Day. She has 18 chocolates, and she put them into the 3 bags equally. How many chocolates will she put in each bag? 10 points

〈Ans.〉

8 In your group for crafts class, you have 4 people. If you are supposed to share 24 sheets of paper equally, how many sheets of paper will each of you get? 10 points

〈Ans.〉

9 If you divide 25 centimeters of ribbon into 5 equal parts, how long would each of those parts be? 10 points

〈Ans.〉

10 Mother is helping us pack for the camping trip. We have 28 oranges and 7 backpacks. How many oranges should we put in each backpack? 10 points

〈Ans.〉

22 Mixed Calculations

☆☆☆

Date / /

Name

Score /100

1 Greg is shopping for school. He bought a pencil and a notebook. The pencil cost 60¢ and the notebook cost 80¢. He added an eraser at the last minute, and everything cost 210¢ altogether. How much was the eraser? 10 points per question

(1) How much did the pencil and the notebook cost together?

60 + 80 =

〈Ans.〉

(2) How much was the eraser?

210 − = =

〈Ans.〉

2 You were still hungry on the way home, so you stopped in the corner store for a snack and some candy. The snack cost 70¢ and the candy cost 40¢. You decided to buy gum while you were at the register, and altogether it cost 230¢. How much was the gum? 10 points per question

(1) How much did the snack and the candy cost together?

〈Ans.〉

(2) How much was the gum?

〈Ans.〉

3 In crafts class today, we got 36 red sheets of paper and 25 yellow sheets of paper. The teacher left and came back with some blue sheets of paper, and now the class has 82 sheets of paper. How many blue sheets of paper did we get? 10 points

〈Ans.〉

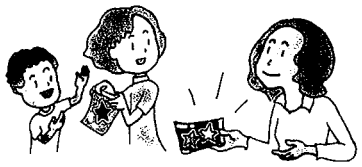
4 Libby bought breakfast on the way to school. She bought a bagel for 80¢ and a doughnut for 75¢. She also bought a juice, and everything cost 270¢ altogether. How much was the juice? 10 points

〈Ans.〉

5 We were playing tag in the park with 14 girls and 13 boys. Then some girls joined in, and we had 33 people playing altogether. How many girls joined in? 10 points

〈Ans.〉

6 Nancy got 18 stickers from her sister and 23 stickers from her brother. If her mother gave her some stickers too, and Nancy has 60 stickers in all, how many stickers did her mother give her? 15 points



〈Ans.〉

7 Tom and Sam were making paper airplanes today after class. Tom used 16 sheets of paper and Sam used 15. Then Ted joined in and made some. In all, they used 48 sheets of paper. How many sheets did Ted use? 15 points

〈Ans.〉

23 Mixed Calculations

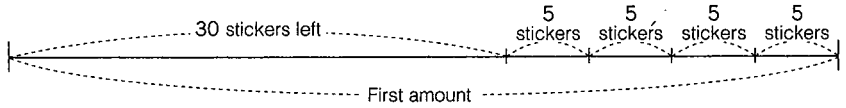
Date / /

Name

Score /100

1 You brought some stickers to class for Valentine's Day. You gave 4 people 5 stickers each, and you had 30 stickers left. How many did you have at first?

10 points per question



(1) How many stickers did you give away?

5 × 4 =

〈Ans.〉

(2) How many stickers were there altogether?

30 + = =

〈Ans.〉

2 The clown had some balloons at Josh's birthday party. He gave 7 people 6 balloons each and had 18 left over. How many balloons did the clown have at first?

10 points per question

(1) How many balloons did the clown give away?

〈Ans.〉

(2) How many balloons did the clown have in all?

〈Ans.〉

3 Mother bought some tulip bulbs. She planted 10 pots with 2 bulbs each and had 3 bulbs left over. How many bulbs did she buy?

10 points

〈Ans.〉

4 Chuck's father works for the amusement park and gave him some coupons. He gave 8 people 4 coupons each and still had 21 coupons left. How many coupons did Chuck's father give him?

10 points

〈Ans.〉

5 Lee's mother gave him some money to buy pencils. He bought 7 pencils at 20¢ each, and had 60¢ left over. How much money did Lee's mother give him?

10 points

〈Ans.〉

6 Mr. Myers is preparing for the winter, so he went and bought 6 boxes of logs for the fire. Each box has 25 logs in them. After he checked the boxes when he got home, he found that 8 logs were missing. How many logs does he have?

10 points

〈Ans.〉

7 At the bakery, you bought 5 buns that cost 76¢ each. If you paid with $5, how much money did you get back?

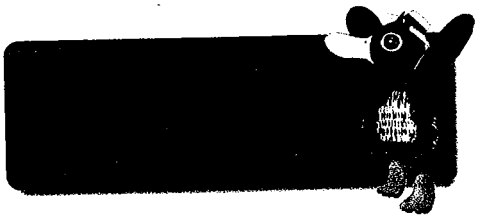
10 points

〈Ans.〉

8 Rachel bought 3 hair clips that cost 65¢ each. She paid with $2. How much change did she get?

10 points

〈Ans.〉



27 Mixed Calculations ☆☆☆

Date / /

Name

Score /100

1 We bought oranges today and they put 6 oranges each in our 4 bags. When we get to the party, we are going to divide these oranges among 8 people equally. How many oranges will each person get at the party? 10 points

〈Ans.〉

2 A group of 6 children bought 3 dozen pencils together in order to save money. If they divide the 3 dozen equally, how many pencils will each person in the group get? 10 points

〈Ans.〉

3 It's very crowded at the hopscotch area today. There are 3 lines with 8 girls in each line. They decided to draw another hopscotch board, and now there are 4 equal lines. How many girls are in each line now? 10 points

〈Ans.〉

4 Our class project is 2 strings of paper cranes for the local hospital. We have 8 children making paper cranes. If we need 36 cranes for each string, how many cranes does each child have to make? 10 points

〈Ans.〉

5 Carmen likes working at the florist. Today she made 4 bunches of flowers with 6 flowers each. Her boss said she needed 8 flowers in each bunch, though. How many bunches can she make using the same amount of flowers? 10 points

〈Ans.〉

6 Thomas bought 3 toy soldiers for 27¢. How much would it cost him to buy 5 toy soldiers? 10 points

〈Ans.〉

7 Gina was weighing her mother's rings. She found 3 rings that were the same weight, and they weighed 24 grams in all. If she found 7 rings that weighed this same weight, how much would the weigh in all? 10 points

〈Ans.〉

8 Today, Lana is selling flower bunches at the park. She divided 45 flowers into equal bunches of 5 flowers each. If she sells each bunch for $3 each, how much money will she earn? 10 points

〈Ans.〉

9 Eric had 18 chocolate bars, but he ate half of them. If he eats the other half over the next 3 days, how many bars will he eat a day? 10 points

〈Ans.〉

10 We are making flash cards to study for our test. We can make 8 flash cards out of 1 piece of paper. If we divide 24 sheets of paper evenly among our group of 3, how many cards will each of us make? 10 points

〈Ans.〉