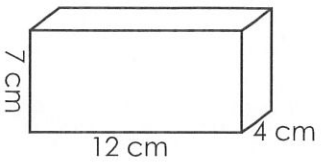
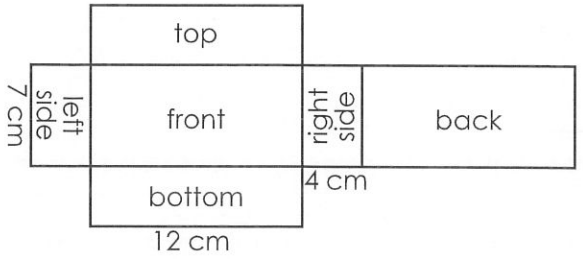
Name: _____

Surface Area

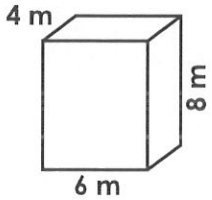
Surface area is the total area of all faces of a figure. To find the surface area of a rectangular prism, imagine it unfolded into six rectangles. Find the area of each rectangle and add them together. The sum is the surface area of the rectangular prism.



area of left side:	4 cm x 7 cm =	28 cm^2
area of top:	4 cm x 12 cm =	48 cm^2
area of front:	7 cm x 12 cm =	84 cm^2
area of bottom:	4 cm x 12 cm =	48 cm^2
area of right side:	4 cm x 7 cm =	28 cm^2
area of back:	7 cm x 12 cm =	+ 84 cm^2
	surface area =	**320 cm^2**



Find the surface area of the following figures.



area of left side: _____ x _____ = _____

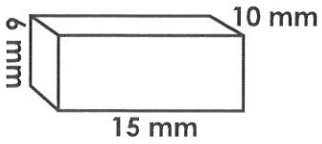
area of top: _____ x _____ = _____

area of front: _____ x _____ = _____

area of bottom: _____ x _____ = _____

area of right side: _____ x _____ = _____

area of back: _____ x _____ = _____ **surface area =** _____



area of left side: _____ x _____ = _____

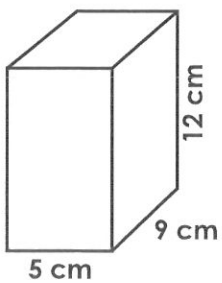
area of top: _____ x _____ = _____

area of front: _____ x _____ = _____

area of bottom: _____ x _____ = _____

area of right side: _____ x _____ = _____

area of back: _____ x _____ = _____ **surface area =** _____



area of left side: _____ x _____ = _____

area of top: _____ x _____ = _____

area of front: _____ x _____ = _____

area of bottom: _____ x _____ = _____

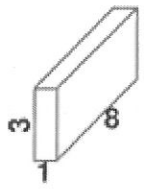
area of right side: _____ x _____ = _____

area of back: _____ x _____ = _____ **surface area =** _____

Name: _____ Date: _____

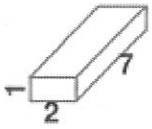
Volume/Surface Area

1 a.



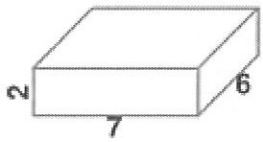
Find the surface area of this rectangular prism.

1 b.



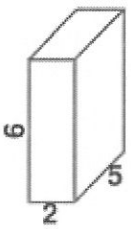
Find the surface area of this rectangular prism.

2 a.



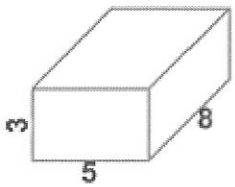
Find the surface area of this rectangular prism.

2 b.



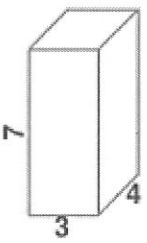
Find the volume of this rectangular prism.

3 a.



Find the volume of this rectangular prism.

3 b.



Find the volume of this rectangular prism.

Measurement Lab

Group Members:

#1_____1, 2, 3, 4, 5 (Circle how hard you think you worked in the group today)
#2_____1, 2, 3, 4, 5 (Circle how hard you think you worked in the group today)
#3_____1, 2, 3, 4, 5 (Circle how hard you think you worked in the group today)

☻ Task #1

Measure the distance of the seat of a swing on the swingset in:
Inches: _____ Centimeters: _____ Millimeters: _____

☻ Task #2

Measure the perimeter of one of the four sections of the 4-square game in:
Feet: _____ Inches: _____ Yards: _____
Meters: _____

☻ Task #3

Measure the length of one of the bricks on the building in:
Inches: _____ Centimeters: _____ Millimeters: _____

☻ Task #4

Measure the length of one of the slide bars (the part where you sit) in:
Feet: _____ Inches: _____

☻ Task #5

Measure the width of the PE door in:
Meters: _____ Centimeters: _____ Millimeters: _____
Inches: _____

☻ Task #6

Measure the width of one section of chain link fence in:
Meters: _____ Centimeters: _____ Millimeters: _____
Feet: _____ Inches: _____

☻ Task #7

Measure the width of one section on the spider web (from metal piece to metal piece) in:
Centimeters: _____ Millimeters: _____ Inches: _____

☻ Task #8 _____ Fill in the Blank (choice): _____

Measure one item of your choice in:
Meters: _____Centimeters: _____ Millimeters: _____
Feet:_____Inches: _____

☻ Task #9

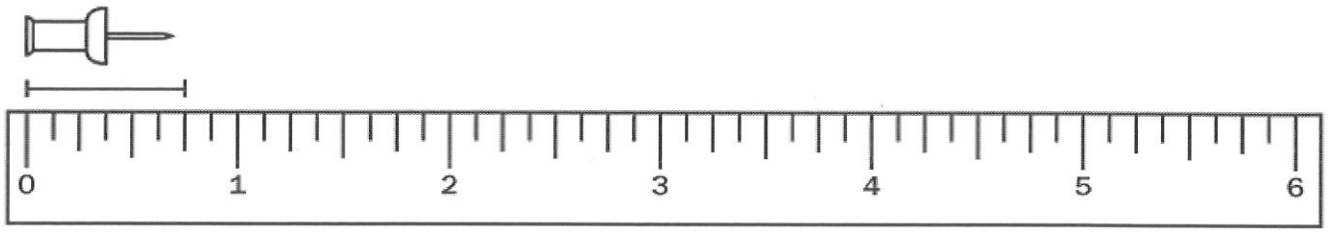
Measure the each group member's height in inches and centimeters
Member #1: _____inches (=_____feet ____inches) _____ centimeters
Member #2: _____inches (=_____feet ____inches) _____ centimeters
Member #3: _____inches (=_____feet ____inches) _____ centimeters

Name: _____

Measuring With a Ruler

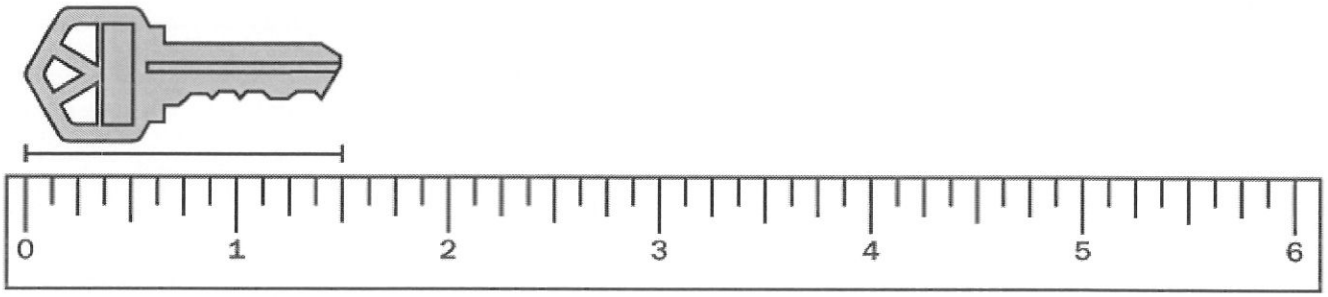
Measure to the nearest $\frac{1}{4}$ inch using the ruler shown.

a.



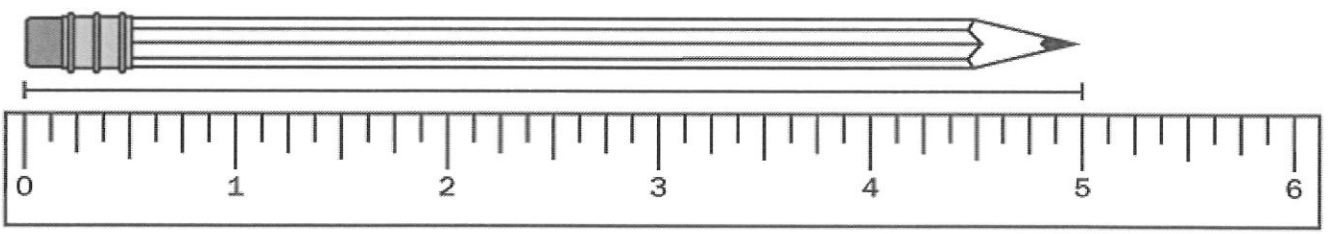
_____

b.



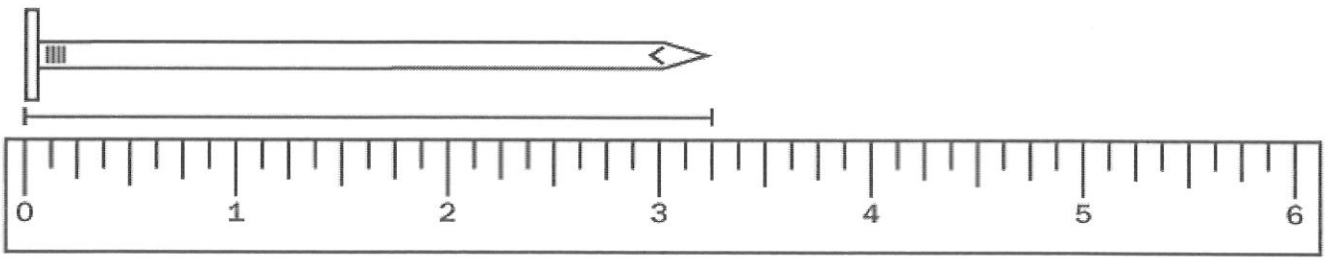
_____

c.



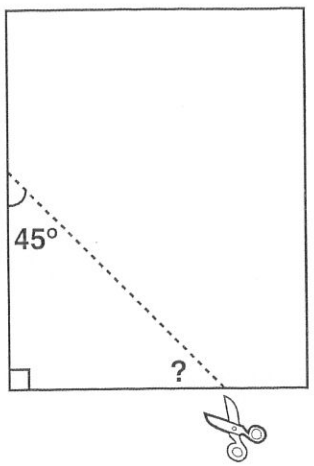
_____

d.



_____

86 Nina made a triangle by cutting the corner off a sheet of paper.



One angle is 45°. What is the measure of the third angle of Nina's triangle?

A 30°

B 45°

C 55°

D 60°

91 Sharice scored the following numbers of points in 5 dart games.

88, 96, 112, 135, 144

What is the median of these numbers?

A 56

B 88

C 112

D 115

CSN00266

89 The measures of three interior angles in a quadrilateral are 35°, 50°, and 125°. What is the degree measure of the fourth interior angle?

A 60°

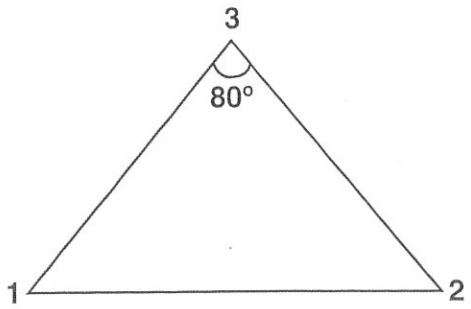
B 90°

C 120°

D 150°

CSM11130

87 Andrew constructed a triangle so that $\angle 1$ and $\angle 2$ were the same size and $\angle 3$ measured 80°.



What is the measure of $\angle 1$?

A 50°

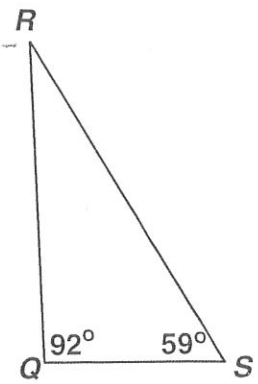
B 60°

C 80°

D 100°

CSM21239

88 What is the measure of angle R?



A 17°

B 29°

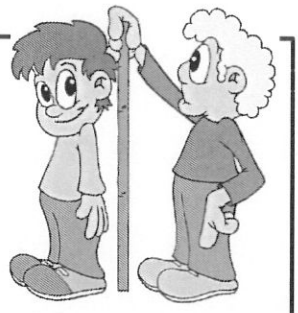
C 31°

D 39°

CSM10344

Name: _____

Measurement Project



With a tape measure or yard stick, measure the heights of five different people.
You can measure parents, siblings, friends, or family members.
You can even measure yourself.

Make a chart to show the heights, in order from tallest to shortest. Your chart should include:

- Each person's name and a picture of each person's face. (Faces can be neatly drawn, or photographed.)

- Each person's height in inches, as well as feet and inches. (For example, you might list someone as 5', 9" tall and 69" tall)

- Each person's signature, to verify that you have measured them carefully and accurately. (Everything else should be in your own handwriting.)

At the top of your chart, list the tallest person. Below that, list the second tallest. Then, list the third tallest, and so on.

In class, you will be given a blank measuring table that you can use for this project.

Your measuring project is due on _____.

Your project may be on display at school, so do your very best work!

Measurement Project - Grading Sheet

_____	(10 points)	The project has been brought to school on-time.
_____	(15 points)	Chart includes the height measurements of five different people.
_____	(15 points)	Each person signed the chart to show that they were measured carefully and accurately.
_____	(15 points)	Each person's height is written as feet and inches and just inches. All conversions are correct.
_____	(15 points)	The heights have been arranged from tallest to shortest.
_____	(15 points)	Each person's face is drawn or photographed.
_____	(15 points)	Handwriting is neat. Pictures are neatly drawn or photographed. Paper is returned relatively wrinkle-free. Each person's name is spelled correctly and begins with a capital letter.

Total - _____ (out of 100 points)

Name: ______________________ Date: ______________________

Measurement Project

name of person being measured: ______________________

height (inches only): ______________________

height (feet & inches): ______________________

My height has been measured carefully and accurately.

signature: ______________________

name of person being measured: ______________________

height (inches only): ______________________

height (feet & inches): ______________________

My height has been measured carefully and accurately.

signature: ______________________

name of person being measured: ______________________

height (inches only): ______________________

height (feet & inches): ______________________

My height has been measured carefully and accurately.

signature: ______________________

name of person being measured: ______________________

height (inches only): ______________________

height (feet & inches): ______________________

My height has been measured carefully and accurately.

signature: ______________________

name of person being measured: ______________________

height (inches only): ______________________

height (feet & inches): ______________________

My height has been measured carefully and accurately.

signature: ______________________

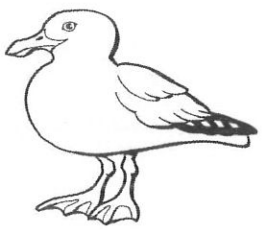
Name: _____

Estimating Weight

1 pound = 16 ounces	A slice of bread weighs about an ounce.
1 ton = 2,000 pounds	A shoe weighs about a pound.
	A small car weighs about a ton.

Circle the most reasonable weight for each item pictured below.

1.



2 ounces

1 pound

10 pounds

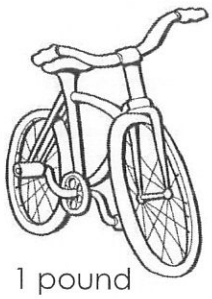
2.

1 ounce

6 ounces

12 ounces

3.

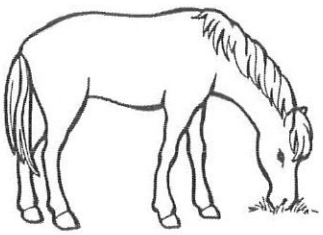


1 pound

4 pounds

20 pounds

4.



50 pounds

half a ton

12 tons

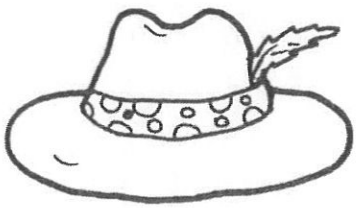
5.

half an ounce

12 ounces

4 pounds

6.



4 ounces

1 pound

10 pounds

7.

20 pounds

600 pounds

1 ton

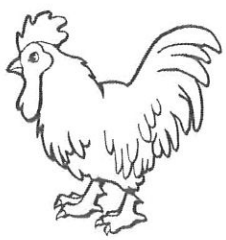
8.

5 ounces

3 pounds

10 pounds

9.



12 ounces

3 pounds

15 pounds

Name: _____

Measuring Capacity with GallonBot

Use the GallonBot illustration to help you answer the questions.

a. How many quarts are in a gallon? _____

b. How many pints are in a gallon? _____

c. How many cups are in a gallon? _____

d. Which is greater: a quart or a pint? _____

e. How many cups are in a pint? _____

f. Which is less: a cup or a pint? _____

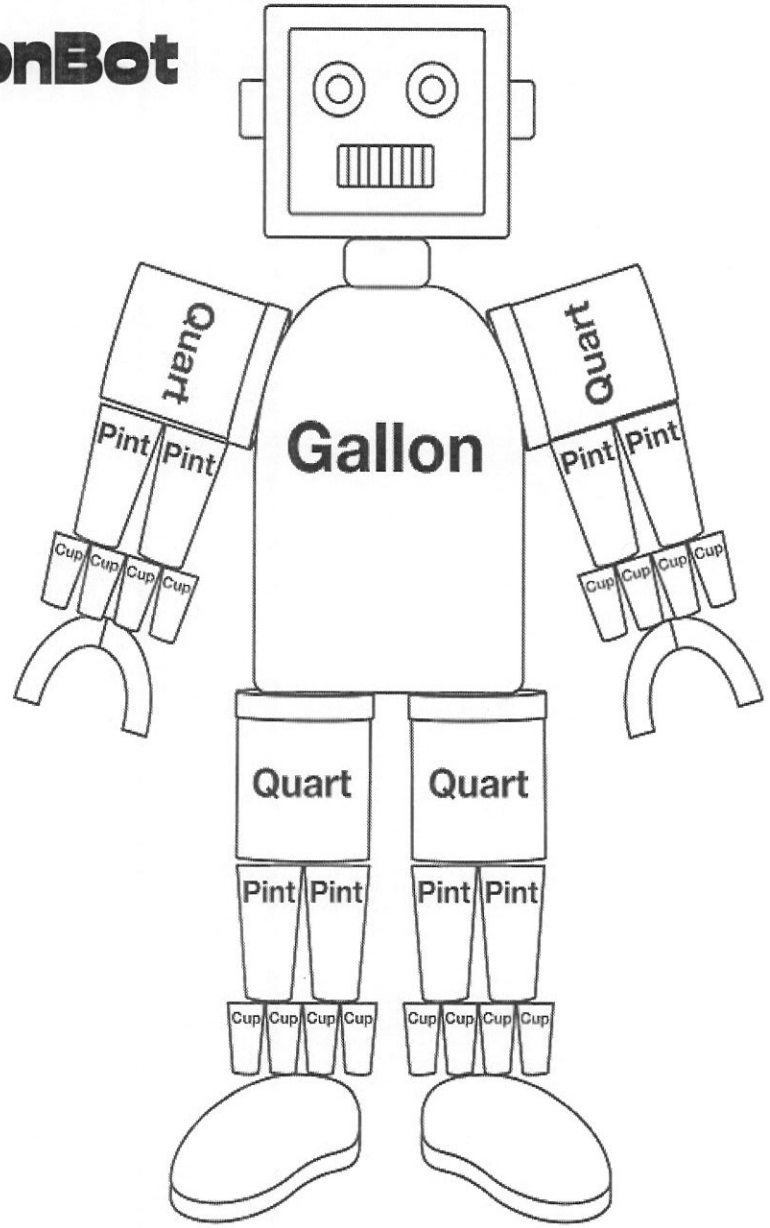
g. How many cups are in a quart? _____

h. How many pints are in 2 quarts? _____

i. How many cups are in 3 pints? _____

j. Which is greater: 8 cups or 1 quart? _____

k. Which is less: 4 quarts or one gallon? _____



l. Color GallonBot as follows: gallons - red; quarts - green; pints - blue; cups - purple