Converting Standard/Conventional Measurements Study Guide

<u>Part One:</u>
Have these memorized & be able to fill in the numbers on a chart like this.

Length	Weight	Capacity
_____ inches = 1 foot	_____ ounces = 1 pound	___ teaspoons = 1 Tablespoon
_____ feet = 1 yard	_____ pounds = 1 Ton	
_____ inches = 1 yard		_____ fluid ounces = 1 cup
_____ feet = 1 mile		_____ cups = 1 pint
		_____ pints = 1 quart
		_____ quarts = 1 gallon

Draw the “Big G” to show gallon, quart, pint, cup, and fluid ounces. You can use it to help you with the chart above!

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Part Two:

Be able to choose a reasonable measurement for an item.

Length choices: inches, feet, yards, miles

What unit would you use to measure each of these distances?

- the width of your textbook _____
- the distance between Shawnee and Bonner Springs _____
- the length of a football field _____
- the height of a garage door _____

Weight choices: ounces, pounds, tons

What unit would you use to measure the weight of each of these items?

- the weight of a real train engine _____
- the weight of a cupcake _____
- the weight of a large dog _____

Capacity choices: teaspoon, tablespoon, fluid ounces, cups, pints, quarts, gallons

What is the most reasonable estimate for each of these items?

- the amount of water in a large fish tank **10 fluid ounces** **10 gallons**
- the amount of milk in a glass **2 tablespoons** **2 cups**
- the amount of orange juice in a pitcher **4 quarts** **4 gallons**
- the amount of cereal in a bowl **1 cup** **1 teaspoon**
- the amount of medicine in a bottle **4 pints** **4 fluid ounces**
- the amount of pop in a can **2 cups** **2 quarts**

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Part 3:

Be able to convert measurements from one unit to another. Use the chart to help you! Show your work.

A) _____ feet = 5 yards

B) 18 yards = _____ feet

C) 72 inches = _____ feet

D) 2 miles = _____ feet

E) _____ inches = 4 feet

F) 3 tons = _____ pounds

G) 8,000 pounds = _____ tons

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H) _____ ounces = 5 pounds

I) _____ cups = 3 pints

J) 5 gallons = _____ quarts

K) 16 pints = _____ quarts

L) 9 teaspoons = _____ tablespoons

M) 6 tablespoons = _____ teaspoons

N) _____ fluid ounces = 5 cups

O) _____ pints = 18 cups

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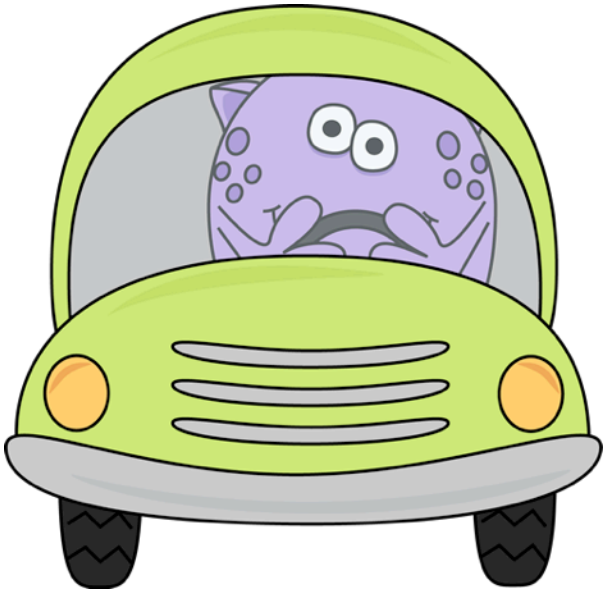
Part 4:

Measure each object to the nearest half-inch and 1/8-inch.

_____

_____

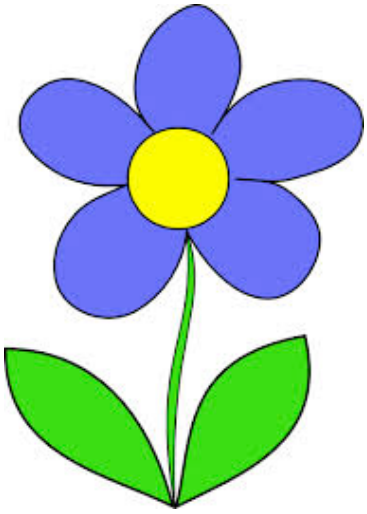
height of an owl



_____

_____

width of a car



_____

_____

height of a flower