

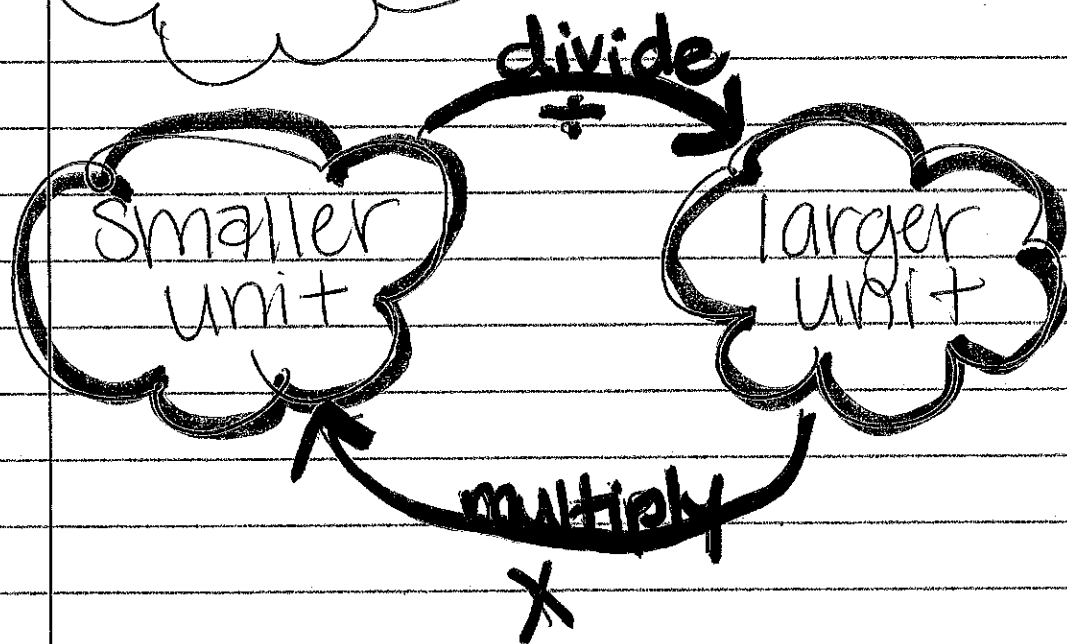
Unit 4:

Measurement

# Converting Measurement

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Convert means to change!



\* Example:

$$42 \text{ in} = \underline{3 \text{ feet } 6 \text{ inches}}$$

$$\begin{array}{r} 3 \text{ r } 6 \\ 12 \overline{) 42} \\ \underline{-36} \\ 6 \end{array}$$

$$12 \text{ in} = 1 \text{ ft}$$

# Customary (U.S.) measurement

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## ★ Linear - measures length

$$1 \text{ foot} = 12 \text{ inches}$$

$$1 \text{ yard} = 3 \text{ feet}$$

$$1 \text{ yard} = 36 \text{ inches}$$

$$1 \text{ mile} = 5,280 \text{ feet}$$

$$1 \text{ mile} = 1,760 \text{ yards}$$

## ★ Weight - mass of an object

$$1 \text{ pound} = 16 \text{ oz (ounces)}$$

$$1 \text{ ton} = 2,000 \text{ lb (pounds)}$$

## ★ Capacity - amount something can hold (volume)

$$1 \text{ cup} = 8 \text{ oz}$$

$$1 \text{ pint} = 16 \text{ oz}$$

$$1 \text{ qt} = 32 \text{ oz}$$

$$1 \text{ G} = 128 \text{ oz}$$

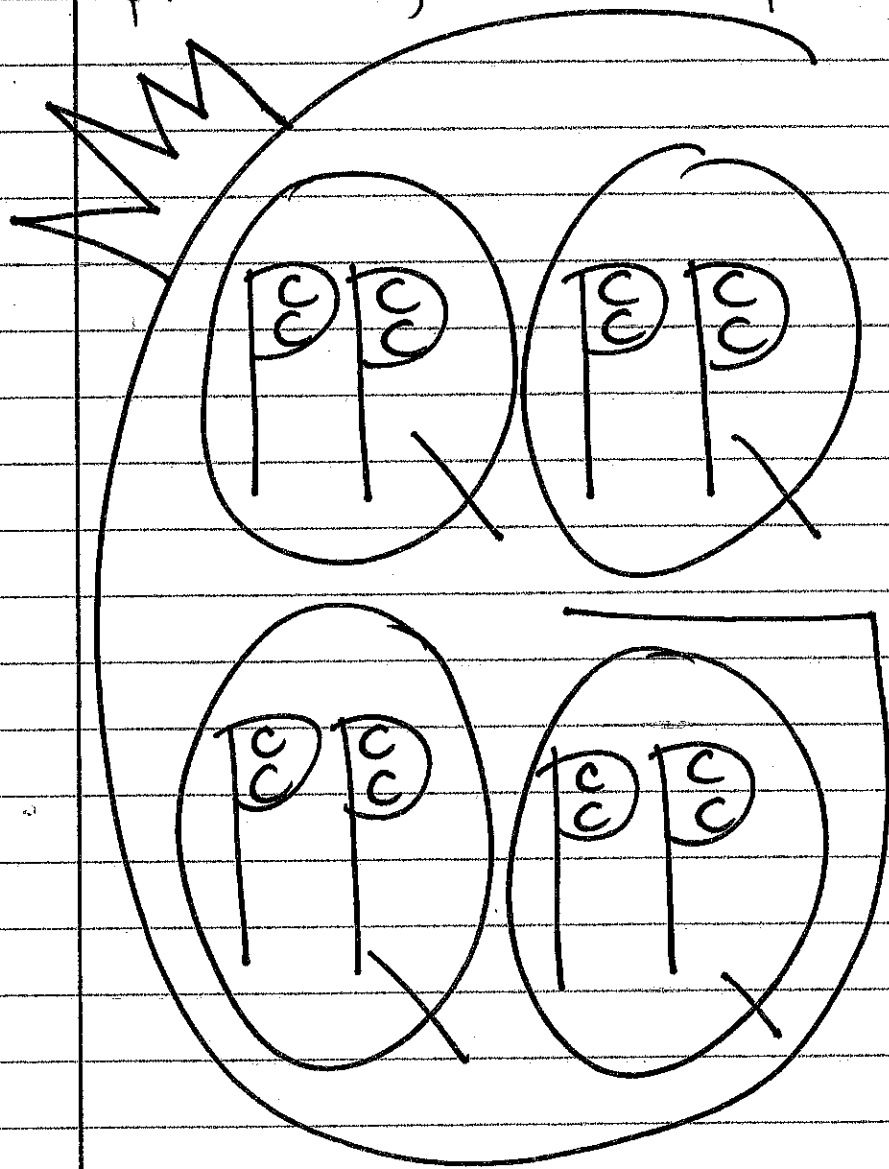
$$1 \text{ pint} = 2 \text{ cups}$$

$$1 \text{ quart} = 2 \text{ pints}$$

$$1 \text{ gallon} = 4 \text{ quarts}$$

Customary measurement:  
Capacity (liquids)

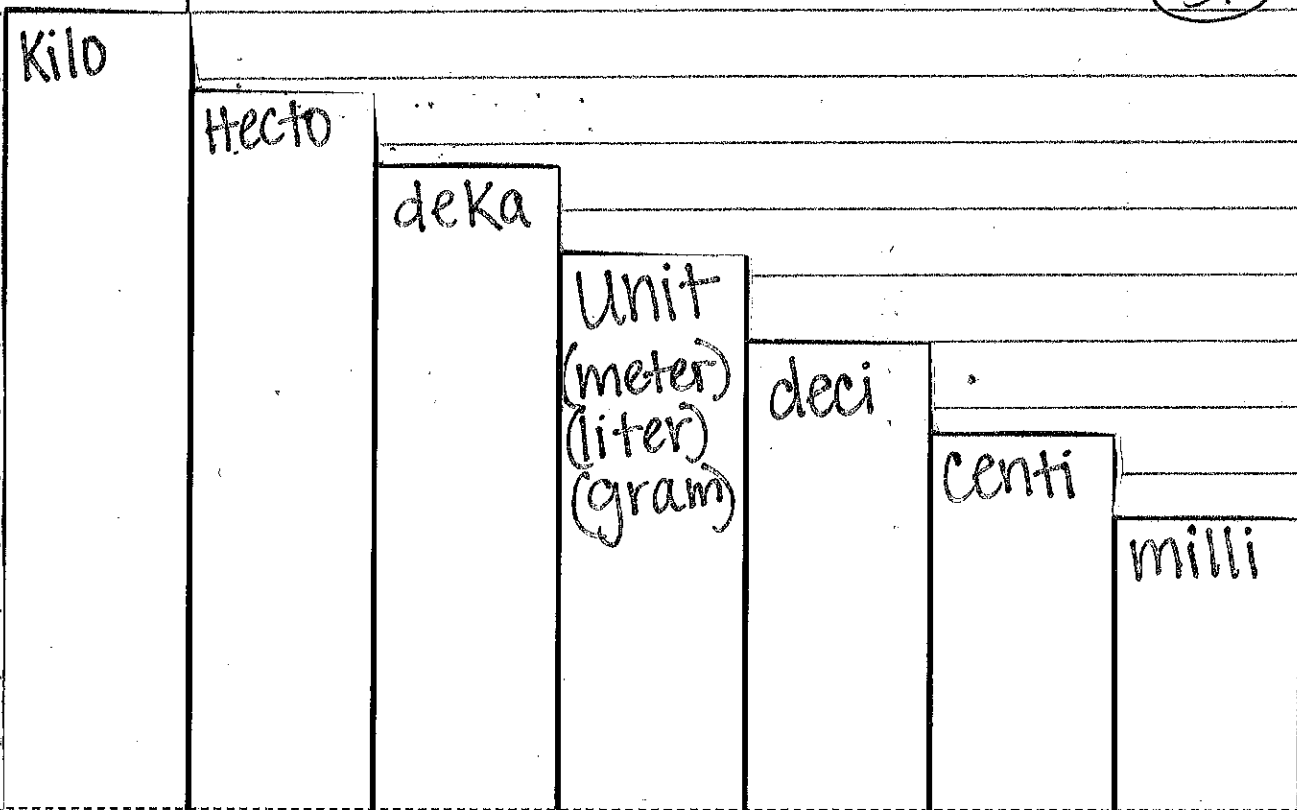
King Gallon had 4 beautiful  
queens, each queen had 2  
princesses, and each princess had  
2 cats.



1 gallon = 4 quarts  
= 8 pints  
= 16 cups

# Metric Conversions

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K H D U D C M → King  
Henry  
Doesn't  
Usually  
Drink  
Chocolate  
Milk

Move to the right = Add zeros  
Move to the left = Move decimal left

