

Lesson 5-5 Using Customary Units of Measure

Mr. Marroquin's 7th Grade Pre-Algebra Class

U.S. Units of measure and equivalencies

Type	Length	Capacity	Weight
Unit	Inch (in)	Fluid Ounce (fl oz)	Ounce (oz)
	Foot (ft)	Cup (c)	Pound (lb)
	Yard (yd)	Pint (pt)	Ton (t)
	Mile (mi)	Quart (qt)	
		Gallon (g)	
Equivalents	1 ft = 12 in	1 c = 8 fl oz	1 lb = 16 oz
	1 yd = 3 ft	1 pt = 2 c	1 t = 2,000 lb
	1 mi = 5,280 ft	1 qt = 2 pt	
		1 gal = 4 qt	

Choosing the right measurement

- To measure the weight of a truck you would use ??
- To measure the length of the classroom you would use?
- Distance from Tulare to Tipton?
- Capacity of a swimming pool?

Converting using conversion factors

- You have three cups of water but want to know how many pints you have, so what can you do? (2)

$$3c = \text{---} pt$$

$$\frac{3c}{1} \cdot \frac{1pt}{2c} =$$

- Factors are lined up in such a way that the unwanted units should cancel one another out

Examples(2):

$$14oz = \text{---} lb$$

$$14in = \text{---} ft$$

Examples (2)

$$3\frac{1}{2} lb = \text{---} oz$$

$$3\frac{1}{2} pt = \text{---} c$$

In class / HW

- Class: PB 5-5
- HW: Page 248 (38-30 even)
