

highlight the conversion factor!

$$1. \frac{24 \text{ min}}{6 \text{ inches}} = \frac{? \text{ seconds}}{1 \text{ inch}}$$

$$\frac{24 \text{ min}}{6 \text{ in}} * \frac{60 \text{ sec}}{1 \text{ min}} = \frac{240 \text{ sec}}{1 \text{ inch}}$$

$$2. \frac{6 \text{ m}}{1 \text{ hour}} = \frac{? \text{ cm}}{1 \text{ minute}}$$

$$\frac{6 \text{ m}}{1 \text{ hour}} * \frac{1 \text{ hour}}{60 \text{ min}} * \frac{100 \text{ cm}}{1 \text{ m}} = \frac{10 \text{ cm}}{1 \text{ min}}$$

$$3. \frac{512 \text{ oz}}{1 \text{ cm}} = \frac{? \text{ gallons}}{1 \text{ meter}}$$

$$\frac{512 \text{ oz}}{1 \text{ cm}} * \frac{100 \text{ cm}}{1 \text{ m}} * \frac{1 \text{ gal}}{128 \text{ oz}} = \frac{400 \text{ gal}}{1 \text{ meter}}$$

128 fl. oz = 1 gallon

$$4. \frac{12 \text{ cups}}{2 \text{ hours}} = \frac{? \text{ pints}}{\text{minute}}$$

$$\frac{12 \text{ cups}}{2 \text{ hrs.}} * \frac{1 \text{ pt}}{2 \text{ cups}} * \frac{1 \text{ hour}}{60 \text{ mins}} = \frac{1 \text{ pt}}{20 \text{ min}}$$

1 pt = 2 cups

$$5. \frac{500 \text{ yds}}{1 \text{ ton}} = \frac{? \text{ yards}}{1 \text{ pound}}$$

$$\frac{500 \text{ yds}}{1 \text{ ton}} * \frac{1 \text{ ton}}{2000 \text{ lbs}} = \frac{1 \text{ yard}}{4 \text{ lbs}} = \frac{.25 \text{ yds}}{1 \text{ lb.}}$$

2000 lbs = 1 ton