

Name _____

Date _____

Converting Standard Sized Units of Measurement - Step-by-Step Lesson

Lesson 1 Measurement Problem:

Complete the missing measurements below.

- a) 36 in = ___ ft = ___ yd. = ___ mi.
- b) ___ mm = ___ cm = ___ m = ___ 5 km
- c) ___ oz = ___ lbs. = 2 tons
- d) 9 kg = ___ grams
- e) 6 cups = ___ pt = ___ qt = ___ gal
- f) ___ ml = ___ l = 8 kL

Explanation:

Step 1) First see what is being asked.

Step 2) We have to write the proper measurements.

$$1 \text{ inch} = .0833 \text{ ft} = .0277 \text{ yd} = 1.5782 \text{ mi}$$

$$\text{a) } 36 \text{ in} = \text{___ ft} = \text{___ yd.} = \text{___ mi.}$$

$$36 \text{ inches} = 3 \text{ feet}$$

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

$$1 \text{ yard} = .000568 \text{ mile}$$

$$\text{Mm } 1 \text{ 000 000} = 10,0000 \text{ cm} = 1000 \text{ m} = 1 \text{ km}$$

$$\text{b) } \text{___ mm} = \text{___ cm} = \text{___ m} = \text{___ 5 km}$$

$$5 \text{ Km} = 5000 \text{ m}$$



Name _____

Date _____

$$5000 \text{ m} = 50,0000 \text{ cm}$$

$$50,0000 \text{ cm} = 5e+6 \text{ mm}$$

$$32000 \text{ oz} = 2000 \text{ lbs} = 1 \text{ ton}$$

c) ____ oz = ____ lbs. = 2 tons

$$2 \text{ tons} = 4000 \text{ pound}$$

$$4000 \text{ pound} = 64000\text{oz}$$

$$1 \text{ kg} = 1000 \text{ grams}$$

d)) 9 kg = ____ grams

$$9 \text{ kg} = 9000 \text{ grams}$$

$$1 \text{ cup} = .5 \text{ pt} = .25 \text{ qt} = .0625 \text{ gal}$$

e) 6 cups = ____ pt = _____ qt = ____ gal

$$6 \text{ cups} = 3 \text{ pint}$$

$$3 \text{ pint} = 1.5 \text{ quart}$$

$$1.5 \text{ quart} = .375 \text{ gal}$$

$$1 \text{ 000 000 ml} = 1000 \text{ l} = 1 \text{ kl}$$

f) _____ ml = _____ l = 8 kl

$$8 \text{ kl} = 8000 \text{ l}$$

$$8000 \text{ l} = 8,000,000 \text{ ml}$$

