

Dimensional Analysis Worksheet: Conversion Factors Below:

Length

1 m = 3.28 ft
1 cm = .39 in
1 mi = 1.6 km

Mass

1 kg = 2.2 lbs
1 g = .035 oz

Volume

1 fl oz = 29.5 ml
1 l = .264 gal

1) 16 in = _____ cm 2) 345 lbs = _____ kg 3) 56 g = _____ oz

4) 450 km = _____ mi 5) 1200 ml = _____ fl oz 6) 40 m = _____ ft

7) 4 gal = _____ l 8) 12 fl oz = _____ ml 9) 50 kg = _____ lbs

10) Penny has a pencil that is 19 cm long. How long the pencil in inches?

11) Macho Mel can lift 200 kilograms with ease. How much is this in pounds?

12) The distance between Happyville and Giggleland is 60 miles. How far is this in kilometers?

13) A can of Cheap-O soda holds 355 ml of soda. How many fluid ounces would be in 2 cans of soda?

14) A cookie recipe calls for 1 pound of butter. How many grams of butter would be needed for 3 batches?