

The Metric System

Perform the metric conversions below.

[1] 56 m = _____ dm

[6] 900 cg = _____ dg

[2] 0.045 kg = _____ g

[7] 56 g = _____ cg

[3] 2450 cl = _____ dkl

[8] 0.012 km = _____ dkm

[4] 71,500 cm = _____ hm

[9] 27,600 g = _____ mg

[5] 15 dl = _____ dkl

[10] 6 cl = _____ ml

Answer each of the following problems, involving application of the Metric System.

[11] Order the following metric measures of length from largest to smallest:

54 cm, 0.054 m, 504 mm, 0.5 dm, 50.4 cm

[12] Your bedroom measures 350 cm by 400 cm, and you want to install wood trim where each wall meets the ceiling. If this trim sells for \$4.50 per meter, how much will it cost to purchase enough trim to do the job?

[13] A pitcher holds 3.5 liters of iced tea. How many completely full 400 ml glasses of iced tea could be poured from this pitcher.

[14] A paramecium that is actually 0.25 millimeters in length is magnified to 6 centimeters for a science book photograph. By how many times has it been magnified to produce the picture?

[15] A 60 kilogram package contains 270 library books. What is the average weight of these books, in grams?