

Unit Conversion Worksheet

MGCCC, Perk Learning Lab, Created by Tara L. Moore

learning.mgccc.cc.ms.us/pk/sciencedocs/dimensionalanalysisandmetricconversions.htm

Directions: Use the Factor-label method (or dimensional analysis) to convert between the following units. Remember to use unit equalities as conversion fractions to cancel out variables until ending with the desired new variable(s).

1. 1.2 kg = _____ dg
2. $2.00 \times 10^{-5} \text{m}$ = _____ in
3. 25.4 mm = _____ cm
4. 1.2 miles = _____ km
5. 15.47 m^3 = _____ km^3
6. 17.0 ft/s = _____ m/min
7. 342 miles/hr = _____ km/s
8. 45.1 yards = _____ cm
9. 1.45 L = _____ gallons
10. 4.100 g = _____ mg
11. 1.2 kg/yard = _____ lbs/m
12. $2.00 \text{ft}^3/\text{min}$ = _____ L/hour
13. 145 ml = _____ cm^3
14. 6.51 miles = _____ cm