

Unit Conversions Worksheet

Complete each of the following conversions to the proper number of significant figures; clearly show your set-up with units in the set-up and the answer.

1) 0.30 m = _____ mm

8) 5.00 g = _____ kg

2) 5.00 mm = _____ cm

9) 1.00 yd = _____ cm
(3 ft = 1 yard, exactly)

3) 10.0 cm = _____ in

10) 6.35 g = _____ kg

4) 2.00 km = _____ m

11) 8.245 L = _____ mL

5) 33.4 L = _____ mL

12) 16.9 fl. oz = _____ L
(0.0338 fl oz. = 1 mL)

6) 15.0 lb = _____ kg
(use 2.20 lb = 1 kg)

13) 1.00 cm = _____ m

7) 0.400 L = _____ mL

14) 345 g = _____ kg

See next page for Key

Unit Conversion Worksheet Key

- 1) 0.30 m = 3.0×10^2 mm
- 2) 5.00 mm = 0.500 cm or 5.00×10^{-1} cm
- 3) 10.0 cm = 3.94 in
- 4) 2.00 km = 2.00×10^3 m
- 5) 33.4 L = 3.34×10^4 mL or 33400 mL
- 6) 15.0 lb = 6.82 kg
- 7) 0.400 L = 400. mL or 4.00×10^2 mL
- 8) 5.00 g = 5.00×10^{-3} kg or 0.00500 kg
- 9) 1.00 yd = 91.4 cm
- 10) 6.35 g = 0.00635 kg or 6.35×10^{-3} kg
- 11) 8.245 L = 8245 mL or 8.245×10^3 mL
- 12) 16.9 fl. oz = 0.500 L or 5.00×10^{-1} L
- 13) 1.00 cm = 0.0100 m or 1.00×10^{-2} m
- 14) 345 g = 0.345 kg or 3.45×10^{-1} kg