

Skills Practice 10: Converting Between Metric Measures

1. a) Arrange the following metric units from shortest to longest.

kilometre centimetre metre millimetre

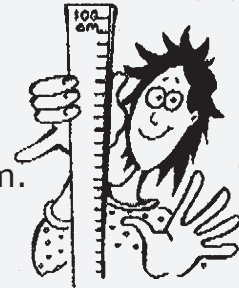
- b) Write the common abbreviation for each unit.

2. Fill in the blanks.

a) There are 10 _____ in 1 cm.

b) 1 m equals 100 _____.

c) 1 km equals _____ m.



3. Fill in the blanks using the abbreviations for the metric units.

a) 2 m = 200 _____ b) 3000 _____ = 3 km

c) 400 cm = 4 _____ d) 4 _____ = 40 mm

e) 10 cm = 100 _____ f) 1.5 _____ = 1500 m

g) 260 mm = 26 _____ h) 260 mm = 0.26 _____

You can use proportional reasoning to help you convert centimetres to metres.

$$\frac{400 \text{ cm}}{? \text{ m}} = \frac{100 \text{ cm}}{1 \text{ m}}$$

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$\div 4$

$4 \div 4 = 1$

100 cm = 1 m
400 cm = 4 m

4. Convert each measure to the units shown.

a) 500 cm = _____ m b) 500 m = _____ km

c) 9 cm = _____ mm d) 9 m = _____ cm

e) 1.5 m = _____ cm f) 1.5 km = _____ m

5. Circle the larger measure.

a) 450 m or 45 km

b) 1 m or 120 cm

c) 300 cm or 0.5 km

d) 70 mm or 0.7 cm