

Measuring and Converting Length

Units of length:

kilometres, metres, centimetres and millimetres.

1 km = 1000 m
1 m = 100 cm
1 m = 1000 mm
1 cm = 10 mm

How to Convert

A kilometre is one thousand metres, so

$\text{km} \times 1000 = \text{m}$

$\text{m} \div 1000 = \text{km}$

A millimetre is a thousandth of a metre

$\text{mm} \div 1000 = \text{m}$

$\text{m} \times 1000 = \text{millimeter}$

A centimetre is one hundredth of a metre, so

$\text{centimeter} \div 100 = \text{m}$

$\text{metre} \times 100 = \text{cm}$

Complete these conversions:

cm to mm.

- i. 1 cm = _____ mm
- ii. 2 cm = _____ mm
- iii. 5 cm = _____ mm
- iv. 10 cm = _____ mm
- v. 12 cm = _____ mm
- vi. 100 cm = _____ mm
- vii. 150 cm = _____ mm
- viii. 176 cm = _____ mm
- ix. 200 cm = _____ mm
- x. 278 cm = _____ mm
- xi. 500 cm = _____ mm

m to cm.

- i. 1m = _____ cm
- ii. 2 m = _____ cm
- iii. 5 m = _____ cm
- iv. 10m = _____ cm
- v. 3.4 m = _____ cm
- vi. 0.9 m = _____ cm
- vii. 7 m = _____ cm
- viii. 2.6 m = _____ cm
- ix. 5.0 m = _____ cm
- x. 10.7m = _____ cm
- xi. 9.4 m = _____ cm
- xii. 0.3 m = _____ cm