

## 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:

*m to cm to mm.*

i. 1 m = \_\_\_\_\_ cm = \_\_\_\_\_ mm

ii. 0.1 m = \_\_\_\_\_ cm = \_\_\_\_\_ mm

iii. 2 m = \_\_\_\_\_ cm = \_\_\_\_\_ mm

iv. 0.2 m = \_\_\_\_\_ cm = \_\_\_\_\_ mm

v. 3 m = \_\_\_\_\_ cm = \_\_\_\_\_ mm

vi. 0.3 m = \_\_\_\_\_ cm = \_\_\_\_\_ mm

*cm to m to km.*

i. 50000 cm = \_\_\_\_\_ m = \_\_\_\_\_ km

ii. 5500 cm = \_\_\_\_\_ m = \_\_\_\_\_ km

iii. 550 cm = \_\_\_\_\_ m = \_\_\_\_\_ km

iv. 10000 cm = \_\_\_\_\_ m = \_\_\_\_\_ km

v. 1500 cm = \_\_\_\_\_ m = \_\_\_\_\_ km

vi. 550 cm = \_\_\_\_\_ m = \_\_\_\_\_ km

vii. 20000 cm = \_\_\_\_\_ m = \_\_\_\_\_ km

viii. 9500 cm = \_\_\_\_\_ m = \_\_\_\_\_ km

ix. 850 cm = \_\_\_\_\_ m = \_\_\_\_\_ km