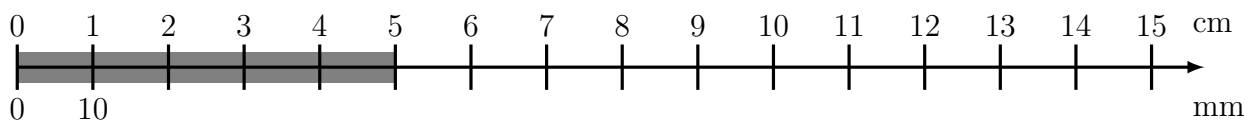


1. Here is an incomplete conversion stick measuring a thick grey line.



(i) Write down the length of the thick grey line in centimetres. cm

(ii) Write down the length of the thick grey line in millimetres. mm

(iii) Complete this fact: 11 cm = mm

2. This table shows 3 ways to convert from centimetres to millimetres.

proportional triangle	conversion stick	function diagram

Complete these facts:

(i) 8 cm = mm

(ii) 17 cm = mm

3. This table shows 3 ways to convert from centimetres to millimetres.

proportional triangle	conversion stick	function diagram

Complete these facts:

(i) 9.1 cm = mm

(ii) 28.6 cm = mm

4. (a) A dinner plate has a diameter of 27.3 centimetres.
Write down the diameter of the dinner plate in millimetres.

(b) Change 8.2 cm into mm.

(c) Change 13 centimetres into millimetres.

5.

5. not written yet

6. This table shows 3 ways to convert from centimetres to millimetres.

proportional triangle	conversion stick	function diagram

(i) Complete these distance conversion sticks or facts.

1 cm = mm	1 km = m	1 m = mm

(ii) Complete these other conversion sticks or facts.

1 m = cm	1 kg = gram	1 litre = ml

7.

7. not written yet

8. (a) A clock has a diameter of 0.45 metres.

Write down the diameter of the clock in centimetres.

(b) A building is 67.3 metres high.

Write down the height of the building in centimetres.

(c) Change 8.2 m into cm.

(d) Change 13 metres into centimetres.

9.

9. not written yet

10.

10. not written yet

11.

11. not written yet

12.

12. not written yet

13. (a) A boxer's fighting weight is 75 kg.
Write down this weight in grams.
- (b) Change 9.3 litres into millilitres.
- (c) Change 11.27 kilometres into metres.
- (d) Change 3.127 kg into grams.
14. (a) A bag of flour weighs 1500 grams.
Write down this weight in kilograms.
- (b) Change 400 millilitres into litres.
- (c) Change 37 700 metres into kilometres.
- (d) Change 750 metres into kilometres.
15. (a) The minimum height for the Scorpion Express ride is 900 millimetres.
Write down this height in metres.
Source www.chessington.com
- (b) Change 2370 centimetres into metres.
- (c) Change 250 millimetres into centimetres.
- (d) Change 35 mm into metres.