Metric Units and Conversions

GCSE Mathematics • **Foundation Tier** • Grades 1–3 • Non-calculator

Name: _____ Class: _____ Total: _____ / 51

Show all your working. Marks are given for correct method as well as the final answer.

1. Change 3.6 m into centimetres. **[1 mark]**

Answer: _____

2. Change 4 500 g into kilograms. **[1 mark]**

Answer: _____

3. Change 0.8 litres into millilitres. **[1 mark]**

Answer: _____

4. Change 250 cm into metres. **[1 mark]**

Answer: _____

5. Change 7 km into metres. **[1 mark]**

Answer: _____

6. Change 45 mm into centimetres. **[1 mark]**

Answer: _____

7. Change 2.3 tonnes into kilograms. **[2 marks]**

Answer: _____

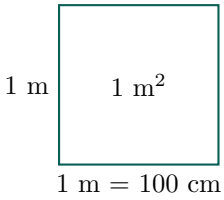
8. Write these in order, smallest first: 0.5 m, 45 cm, 520 mm. **[3 marks]**

Answer: _____

9. Write these in order, smallest first: 1.2 kg, 950 g, 0.08 tonnes. **[3 marks]**

Answer: _____

10. Change 5 m^2 into cm^2. **[3 marks]**

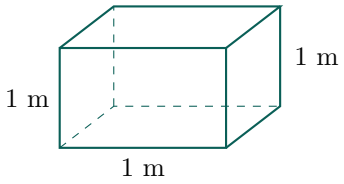


Answer: _____

11. Change 40 000 cm^2 into m^2. **[3 marks]**

Answer: _____

12. Change 3 m^3 into cm^3. **[3 marks]**



Answer: _____

13. Change 2 500 cm^3 into litres. **[2 marks]**

Answer: _____

14. A plank is 2.4 m long. 65 cm is cut off. Work out the length left, in centimetres. **[3 marks]**

Answer: _____

15. A jug holds 1.5 litres. A glass holds 250 ml. Work out how many full glasses the jug fills. **[3 marks]**

Answer: _____

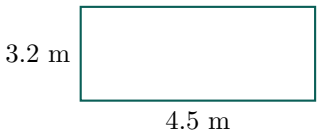
16. A bag of sand weighs 25 kg. Work out the weight of 18 bags, in tonnes. **[3 marks]**

Answer: _____

17. Write down a sensible metric unit for the mass of a paperclip. **[1 mark]**

Answer: _____

18. A room measures 4.5 m by 3.2 m. Carpet costs £18 per square metre.

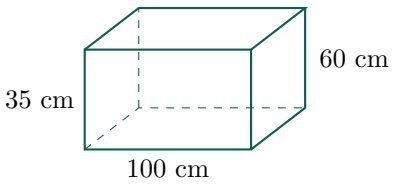


(a) Work out the floor area. **[2 marks]**

(b) Work out the cost of the carpet. **[3 marks]**

Answer: _____

19. A water butt holds 210 litres.



(a) Work out its volume in cm^3. **[2 marks]**

(b) Work out its capacity in litres and say whether the butt is big enough. **[3 marks]**

20. A path is 12 m long and 80 cm wide.

(a) Work out its area in m^2. **[3 marks]**

(b) Slabs are 40 cm by 40 cm. Work out how many are needed. **[3 marks]**

Answer: _____

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