



Conversions and Units Exam Practice

One step conversions

Q1. (i) Change 750 ml to litres (ii) Change 3.2 litres to ml
(2 marks)

Q2. (i) Change 11.2 km to metres (ii) Change 50 m to km
(2 marks)

Q3. Starting with the smallest, put these units in order of size:

cm metres millimetres inches feet yards
(2 marks)

Q4. (i) Change 285 g to kg (ii) Change 1.2 kg to g
(2 marks)

Q5. Convert 8.5 feet to inches
(1 mark)

Q6. Convert 3500 ml to cm
(1 mark)

Multi-step conversions

Q7. Change 30 metres to mm
(2 marks)

Q8. Change 0.5 km to cm
(2 marks)

Q9. Change 18000 g to tonnes.
(2 marks)

Q10. Change 9900 mm to metres.
(2 marks)

Q11. Change 25 cm to km
(2 marks)

Q12. (i) Convert 3 yards to cm (ii) Convert 680 mm to inches
[Take 1 yard = 36 inches, and use the approximation 1 inch = 2.5 cm]
(4 marks)

Q13. A centilitre is one hundredth of a litre. Convert 4650 ml to centilitres.
(2 marks)

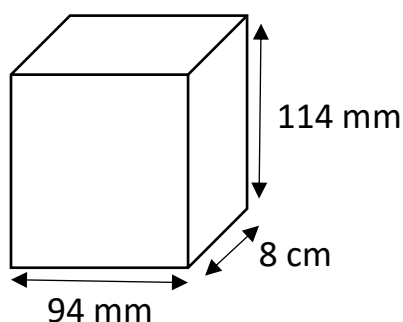


Area & Volume conversions

- Q14. (i) State how many cm squared there are in one metre squared. (1 mark)
(ii) Hence convert 15 m^2 to cm^2 (1 mark)
- Q15. (i) Convert 250 mm^2 to cm^2 (ii) Convert 0.2 km^2 to m^2 (4 marks)
- Q16. Change $754,000,000 \text{ cm}^2$ to km^2 (2 marks)
- Q17. (i) Convert 8000 mm^3 to cm^3 (ii) Convert 0.00025 km^3 to m^3 (4 marks)

Applied Mixed Practice Problems

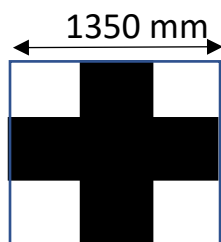
- Q18. Sugar cubes measure 1 cm^3 in volume. Work out how many sugar cubes can fit inside the box shown:



(3 marks)

- Q19. An art display is in the form of a square containing 9 identical squares inside. The cross shape shown is to be painted gold, and the rest of the logo is to be painted silver. A can of silver paint can cover 50 cm^2 , whilst a can of gold paint can cover 30 cm^2 .

Work out how many cans of silver paint and gold paint will be needed to paint the display.



(4 marks)

