



## 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  $15 \text{ m}^2$  to  $\text{cm}^2$  (1

mark)

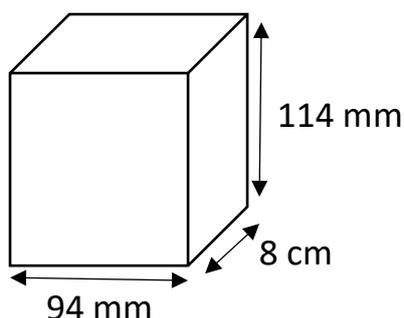
Q15. (i) Convert  $250 \text{ mm}^2$  to  $\text{cm}^2$  (ii) Convert  $0.2 \text{ km}^2$  to  $\text{m}^2$  (4 marks)

Q16. Change  $754,000,000 \text{ cm}^2$  to  $\text{km}^2$  (2 marks)

Q17. (i) Convert  $8000 \text{ mm}^3$  to  $\text{cm}^3$  (ii) Convert  $0.00025 \text{ km}^3$  to  $\text{m}^3$  (4 marks)

## Applied Mixed Practice Problems

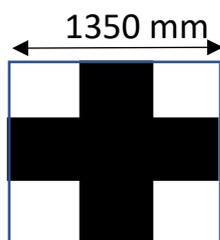
Q18. Sugar cubes measure  $1 \text{ cm}^3$  in volume. Work out how many sugar cubes can fit inside the box shown:



(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  $50 \text{ cm}^2$ , whilst a can of gold paint can cover  $30 \text{ cm}^2$ .

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



(4 marks)

