

Name: _____

Exam Style Questions

Converting Units for Area
Converting Units for Volume



Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

Guidance

1. Read each question carefully before you begin answering it.
2. Don't spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

Revision for this topic

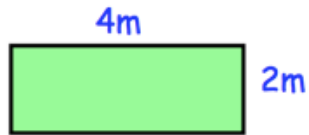
www.corbettmaths.com/contents

Video 350

Video 351



1. Shown below is a rectangle.



(a) Find the area of the rectangle in m^2

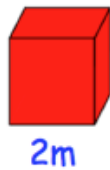
..... 8 m^2
(1)

(b) Find the area of the rectangle in cm^2

$$400 \times 200$$

..... 80000 cm^2
(1)

2. Shown below is a cube.



(a) Find the volume of the cube in m^3

..... 8 m^3
(1)

(b) Find the volume of the volume in cm^3

$$200 \times 200 \times 200$$

..... 8000000 cm^3
(1)

3. Convert 3 m² into cm²

$\times 10000$

30000 cm²
(1)

4. Convert 72.5 m² into cm²

$\times 10000$

725000 cm²
(1)

5. Convert 20000 cm² into m²

$\div 10000$

2 m²
(1)

6. Convert 23000000 cm² into m²

$\div 10000$

2300 m²
(1)

7. Convert 0.2 m² into cm²

$\times 10000$

2000 cm²
(1)

8. Convert 552 cm² into m²

$\div 10000$

0.0552 m²
(1)

9. Convert 8 m³ into cm³

$\times 1000000$

8000000 cm³
(1)

10. Convert 0.7 m³ into cm³

$\times 1000000$

700000 cm³
(1)

11. Convert 4000000 cm³ into m³

$\div 1000000$

4 m³
(1)

12. Convert 300000 cm³ into m³

$\div 1000000$

0.3 m³
(1)

13. Convert 10.2 m³ into cm³

$\times 1000000$

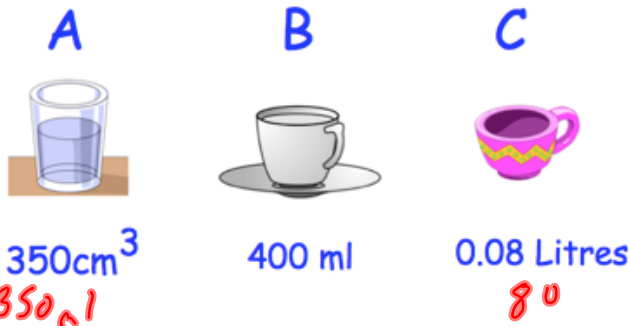
10200000 cm³
(1)

14. Convert 9950000000 cm³ into m³

$\div 1000000$

9950 m³
(1)

15. Shown below are three containers of water.
The amounts of water in each is shown.



List the containers in order, from least water to greatest water.

C, A, B
.....
(2)

16. Convert 3 litres to cm^3

$\times 1000$

3000..... cm^3
(1)

17. Convert 1.4 litres to cm^3

$\times 1000$

1400..... cm^3
(1)

18. Convert 0.4 litres to cm^3

$\times 1000$

400
..... cm^3
(1)

19. Convert 7200 millilitres to cm^3

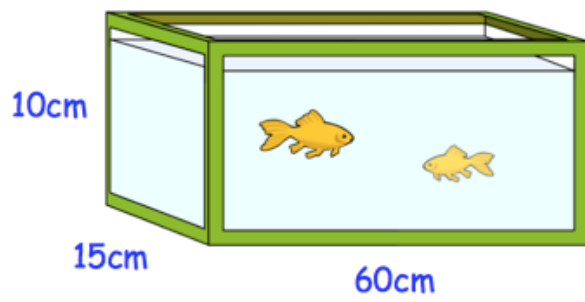
7200
..... cm^3
(1)

20. Convert 4500 cm^3 to litres

$\div 1000$

4.5
..... litres
(1)

21. Shown below is a fish tank.



Calculate how many litres of water are needed to fill an empty fish tank.

$$10 \times 15 \times 60 = 9000 \text{ L}^3$$

..... litres
(3)

22. Mrs Jones is tiling her kitchen floor.
Each kitchen tile measures 20cm by 20cm.
The floor measures 3m wide and 5m long.

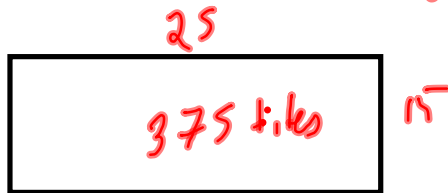
300cm 500cm

The tiles are sold in boxes of 10.
Each box costs £6

$$500 \div 20 = 25$$

Work out the total cost of the tiles needed for the kitchen floor.

$$300 \div 20 = 15$$



38 boxes

$$38 \times 6$$

$$\begin{array}{r} \text{£} \dots\dots\dots 228 \\ \hline (5) \end{array}$$