

Name:

Exam Style Questions

Converting Units for Area
Converting Units for Volume



Corbettmaths

Equipment needed: Ruler, Pencil, Calculator and Pen

Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

Video Tutorial

www.corbettmaths.com/contents

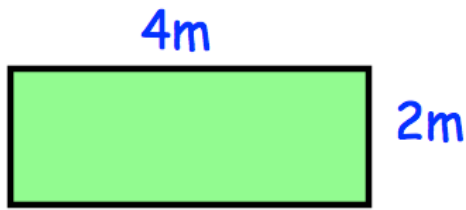
Videos 350, 351



Answers and Video Solutions



1. Shown below is a rectangle.



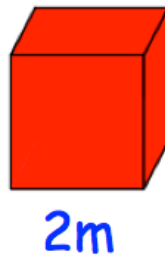
(a) Find the area of the rectangle in m^2

..... m^2
(1)

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

..... cm^2
(1)

2. Shown below is a cube.



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

..... m^3
(1)

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

..... cm^3
(1)

3. Convert 3 m^2 into cm^2



..... cm^2
(1)

4. Convert 72.5 m^2 into cm^2



..... cm^2
(1)

5. Convert 20000 cm^2 into m^2



..... m^2
(1)

6. Convert 23000000 cm^2 into m^2



..... m^2
(1)

7. Write 8 cm^2 in mm^2



..... mm^2
(1)

8. Write 850 mm^2 in cm^2



..... cm^2
(1)

9. Write 2 km^2 in m^2



..... m^2
(1)

10. Convert 0.2 m^2 into cm^2



..... cm^2
(1)

11. Convert 552 cm^2 into m^2



..... m^2
(1)

12. Convert 8 m^3 into cm^3



..... cm^3
(1)

13. Convert 0.7 m^3 into cm^3



..... cm^3
(1)

14. Convert 25 cm^3 into mm^3



..... mm^3
(1)

15. Convert 160 mm^3 into cm^3



..... cm^3
(1)

16. Convert 4000000 cm^3 into m^3



..... m^3
(1)

17. Convert 300000 cm^3 into m^3



..... m^3
(1)

18. Convert 5000 cm^3 into m^3



..... m^3
(1)

19. Convert 10.2 m^3 into cm^3



..... cm^3
(1)

20. Convert 9950000000 cm^3 into m^3



..... m^3
(1)

21. Circle the area that is equivalent to 71 cm^2



0.071 m^2

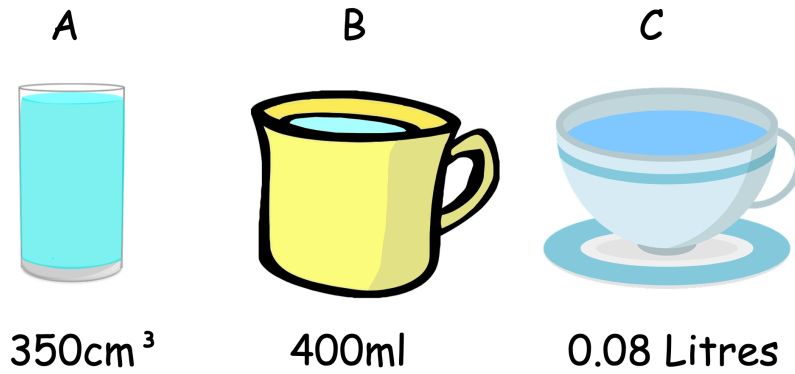
7100 mm^2

710000 m^2

0.71 mm^2

(1)

22. 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.

.....
(2)

23. Convert 3 litres to cm³



..... cm³
(1)

24. Convert 1.4 litres to cm³



..... cm³
(1)

25. Convert 0.4 litres to cm³



..... cm³
(1)

26. Convert 7200 millilitres to cm^3



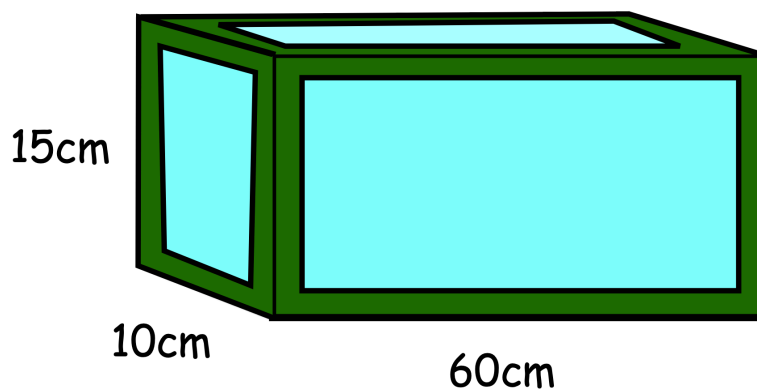
..... cm^3
(1)

27. Convert 4500 cm^3 to litres



..... litres
(1)

28. Shown below is a fish tank.
The fish tank is a cuboid.



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

..... litres
(3)

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



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

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

£.....
(5)

-
30. The area of a circle is 0.3 m^2
Work out the length of the diameter of the circle.
Give your answer in centimetres and to one decimal place.



.....cm
(3)