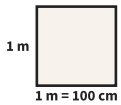


Converting Units of Area and Volume

1

Convert 3 m^2 to cm^2 .



100 in every direction

$$1 \text{ m}^2 = 100 \times 100$$

$$= 10\,000 \text{ cm}^2$$

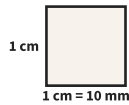
multiply to go to the smaller unit

$$3 \times \boxed{} = \boxed{}$$

Answer _____

2

Convert 5 cm^2 to mm^2 .



10 in every direction

$$1 \text{ cm}^2 = 10 \times 10$$

$$= \boxed{} \text{ mm}^2$$

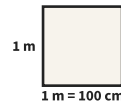
multiply to go to the smaller unit

$$5 \times \boxed{} = \boxed{}$$

Answer _____

3

Convert 2 m^2 to cm^2 .



100 in every direction

$$1 \text{ m}^2 = \boxed{} \times \boxed{}$$

$$= \boxed{} \text{ cm}^2$$

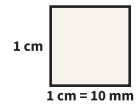
multiply to go to the smaller unit

$$2 \times \boxed{} = \boxed{}$$

Answer _____

4

Convert 7 cm^2 to mm^2 .



10 in every direction

$$1 \text{ cm}^2 = \boxed{} \times \boxed{}$$

$$= \boxed{} \text{ mm}^2$$

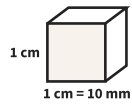
multiply to go to the smaller unit

$$7 \times \boxed{} = \boxed{}$$

Answer _____

5

Convert 4 cm^3 to mm^3 .



10 in every direction

$$1 \text{ cm}^3 = \boxed{} \times \boxed{} \times \boxed{}$$

$$= \boxed{} \text{ mm}^3$$

multiply to go to the smaller unit

$$4 \times \boxed{} = \boxed{}$$

Answer _____

6

Convert 2 m^3 to cm^3 .

$$1 \text{ m}^3 = \boxed{} \times \boxed{} \times \boxed{}$$

$$= \boxed{} \text{ cm}^3$$

$$2 \times \boxed{} = \boxed{}$$

Answer _____

7

Convert $45\,000 \text{ cm}^2$ to m^2 .

Answer _____

8

Convert 6000 mm^3 to cm^3 .

Answer _____

Converting Units of Area and Volume *further practice*

9

Convert $82\,000 \text{ cm}^2$ to m^2 .



Answer _____

10

Which is bigger, 0.4 m^2 or 3500 cm^2 ?
Show how you know.



Answer _____

11

Fill in the boxes.



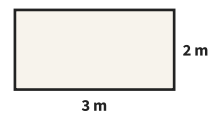
$$5 \text{ m}^2 = \boxed{} \text{ cm}^2$$

$$= \boxed{} \text{ mm}^2$$

Answer _____

12

A noticeboard is a rectangle 3 m long and 2 m wide. Find its area in cm^2 .



Answer _____

13

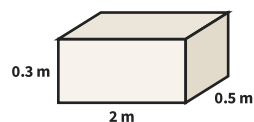
A mural covers 4 m^2 of a wall.
One tin of paint covers 2500 cm^2 .
How many tins of paint are needed?



Answer _____

14

Find the volume of this storage box in cm^3 .



Answer _____

15

A rug is 1.5 m long and 80 cm wide.
Find its area in m^2 .



Answer _____

16

Ella says $1 \text{ m}^2 = 100 \text{ cm}^2$ because $1 \text{ m} = 100 \text{ cm}$. Is she right? Explain.



Answer _____