

Q Converting Units

- 5 Write these lengths in order of size, starting with the smallest.

0.03 m 2.9 cm 32 mm 0.000 02 km

..... [2]
smallest

- 5 Change 12 millimetres into metres.

..... m [1]

- 4 Change 62 000 millimetres into kilometres.

..... km [1]

- 7 The scale of a map is 1 : 125 000.
On a map, the length of an island is 9.4 cm.

Calculate the actual length of the island, giving your answer in kilometres.

..... km [2]

- 4 The distance from town *A* to town *B* on a map is 3.5 cm.
The scale on the map is 1 : 250 000.

Find the actual distance, in kilometres, from town *A* to town *B*.

..... km [2]

7 Change $457\,000\text{ cm}^2$ into m^2 .

..... m^2 [1]

4 Change 270 mm^2 into m^2 .

..... m^2 [1]

4 Change 0.2 m^2 into cm^2 .

..... cm^2 [1]

5 Convert 0.17 m^2 into cm^2 .

..... cm^2 [1]

4 Change 600 cm^3 into m^3 .

..... m^3 [1]

5 (a) Convert 780 cm^2 into m^2 .

..... m^2 [1]

(b) Convert 0.037 m^3 into cm^3 .

..... cm^3 [1]

14 A map has a scale of $1 : 200\,000$.

Find the area, in square kilometres, of a lake that has an area of 12.4 cm^2 on the map.

..... km^2 [2]

13 On a map, a lake has an area of 32 cm^2 .
The scale of the map is $1 : 24\,000$.

Calculate the actual area of the lake.
Give your answer in km^2 .

..... km^2 [2]

- 20** A lake has an area of 3 km^2 .
On a map the area of the lake is 18.75 cm^2 .
Find the scale of the map in the form $1 : n$.

1 : [3]

- 11** A warehouse has a floor area of 800 m^2 .
The plan of the warehouse is drawn to a scale of $1 : 50$.

Calculate the floor area on the plan.
Give your answer in square centimetres.

..... cm^2 [3]

- 3** $1 \text{ m}^2 = 10^n \text{ cm}^2$

Find the value of n .

$n =$ [1]

9 Change 300 m/min to km/h.

..... km/h [2]

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