GCSE HIGHER · REVISION MAT 5

Units and measures

1 Convert 2.5 m to mm.

2 Convert 45 000 cm^2 to m^2.

3 Explain why 3.75 hours = 3 hours 45 minutes.

4 A tank measures 80 cm by 50 cm by 40 cm.

How many litres does it hold?

5 1 mile ≈ 1.6 km.

Show that 1 mile per minute ≈ 96 km/h.

6 A hose fills a 0.6 m^3 tank in 8 minutes.

Find the flow rate in litres per second.

7 Show that 2.5 g/cm^3 = 2500 kg/m^3.

8 A cylinder has radius 10 cm and height 30 cm.

A tap fills it at 0.5 litres per second.

How long does it take to fill?

Mr&Mrs MATHS

ANSWERS · REVISION MAT 5

Units and measures

1 **2500 mm**

2 45 000 ÷ 10 000

4.5 m²

3 **0.75 × 60 = 45 minutes**

4 160 000 cm³

160 litres

5 1.6 × 60

= 96 km/h

6 600 litres in 480 s

1.25 litres per second

7 2.5 × 1 000 000 g = 2 500 000 g

2500 kg per m³

8 π × 10² × 30 = 9425 cm³

9.42 litres

≈ 18.8 seconds