GCSE HIGHER · REVISION MAT 3

Converting units

1 Convert 0.35 m to mm.

2 Convert 9000 seconds to hours.

3 Explain why 3.2 m = 320 cm.

4 Fabric costs £8.40 per metre.

Find the cost of 275 cm.

5 Show that 2 m^3 = 2 000 000 cm^3.

6 A printer prints 18 pages per minute.

How long does it take to print 1350 pages?

7 Show that 0.8 g/cm^3 = 800 kg/m^3.

8 Water flows at 30 litres per minute into a tank 1.5 m by 1 m by 0.8 m.

How long does it take to fill?

Mr&Mrs MATHS

ANSWERS · REVISION MAT 3

Converting units

1 **350 mm**

2 9000 ÷ 3600

2.5 hours

3 **1 m = 100 cm, so multiply by 100.**

4 2.75 × 8.40

£23.10

5 1 m^3 = 1 000 000 cm^3

2 × 1 000 000

6 1350 ÷ 18 = 75 minutes

1 hour 15 minutes

7 0.8 × 1 000 000 = 800 000 g

800 kg per m^3

8 1.2 m^3 = 1200 litres

40 minutes

Mr&Mrs MATHS