GCSE HIGHER · REVISION MAT 2

Converting units

1 Convert 650 cm to metres.

2 Convert 2.5 days to hours.

3 Sam says 1 km² = 1000 m².

Explain why he is wrong.

4 A dose of medicine is 5 ml, three times a day.

A bottle holds 150 ml.

How many days does it last?

5 Show that 0.45 litres = 450 cm³.

6 A tap drips once a second.

20 drops make 1 ml.

How many litres drip in a week?

7 Show that 36 km/h = 600 metres per minute.

8 Concrete has density 2.4 tonnes per m³.

Find the mass, in kg, of a slab 4 m by 3 m by 15 cm.

Mr&Mrs MATHS

ANSWERS · REVISION MAT 2

Converting units

1 **6.5 m**

2 **60 hours**

3 1000 m × 1000 m

1 000 000 m²

4 15 ml a day

10 days

5 1 litre = 1000 cm³

0.45 × 1000 = 450

6 7 × 24 × 3600 = 604 800 drops

÷ 20 = 30 240 ml

30.24 litres

7 36 000 m in 60 minutes

= 600 m per minute

8 Volume 4 × 3 × 0.15 = 1.8 m³

1.8 × 2.4 = 4.32 tonnes

4320 kg

Mr&Mrs MATHS