GCSE HIGHER · REVISION MAT 4

Converting units

1 Convert 5.6 litres to ml.

2 Convert 480 minutes to hours.

3 Explain why 1 hour 45 minutes is not 1.45 hours.

4 A pack has 24 cans of 330 ml.

How many litres is this in total?

5 Show that 108 km/h = 30 m/s.

6 Grass seed is sown at 35 g per m^2.

A lawn is 12 m by 8.5 m.

How many kg of seed are needed?

7 Show that 1 cm^2 = 0.0001 m^2.

8 A marathon of 42.2 km is run in 3 hours 30 minutes.

Find the average speed in m/s.

Mr&Mrs MATHS

ANSWERS · REVISION MAT 4

Converting units

1 **5600 ml**

2 **8 hours**

3 **45 minutes is $\frac{3}{4}$ of an hour, so it is 1.75 hours.**

4 24 × 330 = 7920 ml

7.92 litres

5 108 000 ÷ 3600

= 30

6 102 m² × 35 g = 3570 g

3.57 kg

7 1 m² = 10 000 cm²

1 ÷ 10 000 = 0.0001

8 42 200 ÷ 12 600

3.35 m/s