GCSE HIGHER · REVISION MAT 1

Converting units

1 Convert 4.2 kg to grams.

2 Convert 3 hours 15 minutes to minutes.

3 Explain why 1 litre = 1000 cm^3.

4 A recipe uses 1.2 kg of sugar for 30 cakes.

How many grams are in one cake?

5 Show that 5 m/s = 18 km/h.

6 A pipe leaks 15 ml of water each minute.

How many litres leak in a day?

7 Show that 7.5 m^2 = 75 000 cm^2.

8 A car uses 8 litres per 100 km.

1 mile = 1.6 km and
1 gallon = 4.5 litres.

Find its fuel use in miles per gallon.

Mr&Mrs MATHS

ANSWERS · REVISION MAT 1

Converting units

1 **4200 g**

2 **195 minutes**

3 **A litre fills a 10 cm × 10 cm × 10 cm cube.**

4 1200 ÷ 30

40 g

5 5 × 3600 = 18 000 m/h

18 km/h

6 15 × 60 × 24 = 21 600 ml

21.6 litres

7 1 m^2 = 10 000 cm^2

7.5 × 10 000 = 75 000

8 12.5 km per litre

12.5 × 4.5 = 56.25 km per gallon

≈ 35.2 mpg

Mr&Mrs MATHS