GCSE FOUNDATION · REVISION MAT 1

One quantity as a fraction of another

1 (a) Write 15 as a fraction of 40.
Give your answer in its simplest form.

(b) What fraction of an hour is 45 minutes?

2 Write 18 out of 24 as a percentage.

3 Jo writes 30 cm as a fraction of 2 m.

Jo writes $\frac{30}{2}$

Explain the mistake Jo has made.

4 Show that 35 out of 50 is a greater proportion than 13 out of 20.

5 A car journey is 180 km.

117 km of the journey is on motorways.

What percentage of the journey is **not** on motorways?

6 A box has 64 chocolates.

16 are milk chocolates.

$\frac{3}{8}$ of the rest are dark chocolates. The others are white.

What fraction of the box is white chocolates?

Mr&Mrs MATHS

ANSWERS · REVISION MAT 1

One quantity as a fraction of another

1 (a) $\frac{3}{8}$

(b) $\frac{3}{4}$

2 $\frac{18}{24} = \frac{3}{4}$

$= \mathbf{75\%}$

3 The units must be the same first: 2 m = 200 cm

$\frac{30}{200} = \frac{3}{20}$

4 $35 \div 50 = 70\%$

$13 \div 20 = 65\%$

70% is greater ✓

5 Not on motorways: 63 km

$63 \div 180 \times 100 = \mathbf{35\%}$

6 Rest = 48, dark = 18, white = 30

$\frac{30}{64} = \frac{15}{32}$