GCSE FOUNDATION · REVISION MAT 4

One quantity as a fraction of another

1 (a) Write 35 as a fraction of 84.
Give your answer in its simplest form.

(b) What fraction of an hour is 15 minutes?

2 Write 13 out of 20 as a percentage.

3 Mia writes 250 ml as a fraction of 2 litres.

Mia writes $\frac{250}{2}$

Explain the mistake Mia has made.

4 Show that 44 out of 80 is a greater proportion than 11 out of 25.

5 A car journey is 320 km.

248 km of the journey is on motorways.

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

6 A box has 80 chocolates.

20 are milk chocolates.

$\frac{2}{5}$ of the rest are dark chocolates. The others are white.

What fraction of the box is white chocolates?

Mr&Mrs MATHS

ANSWERS · REVISION MAT 4

One quantity as a fraction of another

1 (a) $\frac{5}{12}$

(b) $\frac{1}{4}$

2 $\frac{13}{20} = \frac{13}{20}$

$= \mathbf{65\%}$

3 The units must be the same first: 2 litres = 2000 ml

$\frac{250}{2000} = \frac{1}{8}$

4 $44 \div 80 = 55\%$

$11 \div 25 = 44\%$

55% is greater ✓

5 Not on motorways: 72 km

$72 \div 320 \times 100 = \mathbf{22.5\%}$

6 Rest = 60, dark = 24, white = 36

$\frac{36}{80} = \frac{9}{20}$

Mr&Mrs MATHS