GCSE FOUNDATION · REVISION MAT 5

One quantity as a fraction of another

1 (a) Write 28 as a fraction of 70.
Give your answer in its simplest form.

(b) What fraction of an hour is 50 minutes?

2 Write 36 out of 48 as a percentage.

3 Ned writes 60 p as a fraction of 4 pounds.

Ned writes $\frac{60}{4}$

Explain the mistake Ned has made.

4 Show that 27 out of 40 is a smaller proportion than 17 out of 25.

5 A car journey is 200 km.

126 km of the journey is on motorways.

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

6 A box has 96 chocolates.

36 are milk chocolates.

$\frac{5}{6}$ of the rest are dark chocolates. The others are white.

What fraction of the box is white chocolates?

Mr&Mrs MATHS

ANSWERS · REVISION MAT 5

One quantity as a fraction of another

1 (a) $\frac{2}{5}$

(b) $\frac{5}{6}$

2 $\frac{36}{48} = \frac{3}{4}$

$= \mathbf{75\%}$

3 The units must be the same first: 4 pounds = 400p

$\frac{60}{400} = \frac{3}{20}$

4 $27 \div 40 = 67.5\%$

$17 \div 25 = 68\%$

67.5% is smaller ✓

5 Not on motorways: 74 km

$74 \div 200 \times 100 = \mathbf{37\%}$

6 Rest = 60, dark = 50, white = 10

$\frac{10}{96} = \frac{5}{48}$