GCSE HIGHER · REVISION MAT 2

Expressing one quantity as a fraction of another

1 Write 12 as a fraction of 30.

2 Write 40 cm as a fraction of 1.2 m.

3 Explain why 20 minutes is $\frac{1}{3}$ of an hour.

4 A pizza is cut into 12 slices.

Al eats 3 and Bo eats 4.

What fraction is left?

5 Show that 300 ml as a fraction of 2.5 litres is $\frac{3}{25}$.

6 A team wins 18 of its first 30 games and 6 of the next 10.

What fraction of all its games has it won?

7 Show that 2 days as a fraction of a 365-day year is $\frac{2}{365}$.

8 A bag has 60 counters.

$\frac{1}{4}$ are red and $\frac{1}{3}$ of the rest are blue.

What fraction of the bag are neither red nor blue?

Mr&Mrs MATHS

ANSWERS · REVISION MAT 2

Expressing one quantity as a fraction of another

1 $\frac{2}{5}$

2 $\frac{40}{120}$

$\frac{1}{3}$

3 $\frac{20}{60} = \frac{1}{3}$

4 $\frac{5}{12}$

5 $\frac{300}{2500}$

$= \frac{3}{25}$

6 $\frac{24}{40}$

$\frac{3}{5}$

7 $\frac{2}{365}$ (it cannot be simplified)

8 Red 15, blue 15, neither 30

$\frac{1}{2}$

Mr&Mrs MATHS