GCSE HIGHER · REVISION MAT 2

Simplifying ratios

1 Simplify

$45 : 60$

2 Simplify

$0.6 : 1.8$

3 Show that 750 g : 1.5 kg = 1 : 2.

4 A recipe uses 200 g flour, 150 g sugar and 50 g butter.

Write flour : sugar : butter in its simplest form.

5 Write 7 : 2 in the form $n : 1$.

6 The angles of a quadrilateral are 60°, 90°, 120° and 90°.

Write them as a ratio in its simplest form.

7 Simplify

$$1\frac{1}{2} : \frac{3}{4}$$

8 The areas of two squares are in the ratio 9 : 25.

Find the ratio of their sides and of their perimeters.

Mr&Mrs MATHS

ANSWERS · REVISION MAT 2

Simplifying ratios

1 **3 : 4**

2 **1 : 3**

3 750 g : 1500 g

1 : 2

4 **4 : 3 : 1**

5 Divide by 2

3.5 : 1

6 Divide by 30

2 : 3 : 4 : 3

7 $\frac{6}{4} : \frac{3}{4}$

2 : 1

8 $\sqrt{9} : \sqrt{25}$

Sides 3 : 5; perimeters 3 : 5