GCSE HIGHER · REVISION MAT 2

Fractions and percentages of amounts

1 Find $\frac{5}{8}$ of 64.

2 Find 17.5% of 80.

3 Sam says 50% of 30 is bigger than $\frac{1}{3}$ of 42.

Is Sam correct?

4 A tin holds 750 ml of paint.

$\frac{2}{5}$ is used, then 20% of what remains.

How much paint is left?

5 Explain why $0.85 \times x$ finds 85% of x.

6 Which is greater, $\frac{3}{8}$ of £96 or 35% of £105?

7 Show that 15% of 60 + 60% of 15 = 18.

8 $\frac{2}{3}$ of a number is 12 more than $\frac{2}{5}$ of the number.

Find the number.

Mr&Mrs MATHS

ANSWERS · REVISION MAT 2

Fractions and percentages of amounts

1 $64 \div 8 \times 5$

40

2 10% = 8, 5% = 4, 2.5% = 2

14

3 50% of 30 = 15

$\frac{1}{3}$ of 42 = 14

Yes

4 $750 \times \frac{3}{5} = 450$

450×0.8

360 ml

5 **85% = $\frac{85}{100}$ = 0.85**

6 $\frac{3}{8} \times 96 = 36$

$0.35 \times 105 = 36.75$

35% of £105

7 $9 + 9$

= 18

8 $(\frac{2}{3} - \frac{2}{5})n = 12$

$\frac{4}{15}n = 12$

***n* = 45**