GCSE HIGHER · REVISION MAT 1

Fractions and percentages of amounts

1 Find $\frac{3}{5}$ of 85.

2 Find 35% of 240.

3 Show that 20% of 50 is the same as 50% of 20.

4 In a class of 30, $\frac{2}{5}$ walk to school and 30% take the bus.
The rest cycle.
How many cycle?

5 Explain why
1.2 × 80 gives 120% of 80.

6 A coat costs £120.
It is reduced by $\frac{1}{4}$ and then by a further 10%.
Find the new price.

7 Show that $\frac{3}{4}$ of $\frac{2}{3}$ of a number is half the number.

8 Ben spends $\frac{1}{3}$ of his money, then 25% of what is left.
He has £45 left.
How much did he start with?

Mr&Mrs MATHS

ANSWERS · REVISION MAT 1

Fractions and percentages of amounts

1 $85 \div 5 \times 3$

51

2 0.35×240

84

3 $0.2 \times 50 = 10$

$0.5 \times 20 = 10$

4 Walk 12, bus 9

$30 - 21 = 9$ cycle

5 **120% = 1.2, so multiplying by 1.2 finds 120% of the amount.**

6 $120 \times \frac{3}{4} = 90$

90×0.9

£81

7 $\frac{3}{4} \times \frac{2}{3} = \frac{6}{12}$

$= \frac{1}{2}$

8 Left: $\frac{2}{3} \times \frac{3}{4} = \frac{1}{2}$

$\frac{1}{2}$ of total = £45

£90

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