GCSE FOUNDATION · REVISION MAT 5

Fractions, decimals and percentages

1 (a) Write 0.08 as a fraction in its simplest form.

(b) Write $\frac{9}{25}$ as a decimal.

2 Complete the table.

Fraction	Decimal	Percentage
$\frac{7}{10}$		
	0.24	
		25%

3 Eve says,

"0.7 = 7%"

Explain why Eve is wrong.

4 Show that $\frac{4}{25}$ is less than 18%

5 Here are Rosa's test results.

Maths	Science	English
$\frac{18}{24}$	74%	0.76 of the marks

In which subject did Rosa do best?

Show how you decide.

6 There are 120 students in a year group.

$\frac{3}{8}$ of them walk to school.

0.35 of them come by bus.

The rest come by car.

What percentage come by car?

Mr&Mrs MATHS

ANSWERS · REVISION MAT 5

Fractions, decimals and percentages

1 (a) $\frac{2}{25}$

(b) **0.36**

2

Fraction	Decimal	Percentage
$\frac{7}{10}$	**0.7**	**70%**
$\frac{6}{25}$	0.24	**24%**
$\frac{1}{4}$	**0.25**	25%

3 Multiply by 100 to change a decimal to a percentage.

The correct value is **70%**

4 $\frac{4}{25} = 0.16 = 16\%$

which is **less** than 18% ✓

5 Maths: 75%

Science: 74%

English: 76%

English

6 Walk: 45 Bus: 42

Car: 120 – 45 – 42 = 33

$\frac{33}{120}$ = **27.5%**

Mr&Mrs MATHS