GCSE FOUNDATION · REVISION MAT 2

Fractions, decimals and percentages

1 (a) Write 0.64 as a fraction in its simplest form.

(b) Write $\frac{7}{20}$ as a decimal.

2 Complete the table.

Fraction	Decimal	Percentage
	0.75	
$\frac{9}{10}$		
		12%

3 Bea says,

"$\frac{1}{4} = 0.4$"

Explain why Bea is wrong.

4 Show that $\frac{7}{8}$ is less than 90%

5 Here are Rosa's test results.

Maths	Science	English
$\frac{21}{25}$	86%	0.83 of the marks

In which subject did Rosa do best?

Show how you decide.

6 There are 60 students in a year group.

$\frac{1}{4}$ of them walk to school.

0.45 of them come by bus.

The rest come by car.

What percentage come by car?

Mr&Mrs MATHS

ANSWERS · REVISION MAT 2

Fractions, decimals and percentages

1 (a) $\frac{16}{25}$

(b) **0.35**

2

Fraction	Decimal	Percentage
$\frac{3}{4}$	0.75	**75%**
$\frac{9}{10}$	**0.9**	**90%**
$\frac{3}{25}$	**0.12**	12%

3 Divide the numerator by the denominator.

The correct value is **0.25**

4 $\frac{7}{8} = 0.875 = 87.5\%$

which is **less** than 90% ✓

5 Maths: 84%

Science: 86%

English: 83%

Science

6 Walk: 15 Bus: 27

Car: 60 – 15 – 27 = 18

$\frac{18}{60}$ = **30%**