GCSE FOUNDATION · REVISION MAT 4

Fractions, decimals and percentages

1 (a) Write 0.85 as a fraction in its simplest form.

(b) Write $\frac{5}{8}$ as a decimal.

2 Complete the table.

Fraction	Decimal	Percentage
	0.2	
		55%
$\frac{3}{8}$		

3 Dani says,

"$\frac{2}{5} = 0.25$"

Explain why Dani is wrong.

4 Show that $\frac{9}{20}$ is greater than 42%

5 Here are Rosa's test results.

Maths	Science	English
$\frac{14}{16}$	86%	0.89 of the marks

In which subject did Rosa do best?

Show how you decide.

6 There are 50 students in a year group.

$\frac{3}{10}$ of them walk to school.

0.24 of them come by bus.

The rest come by car.

What percentage come by car?

Mr&Mrs MATHS

ANSWERS · REVISION MAT 4

Fractions, decimals and percentages

1 (a) $\frac{17}{20}$

(b) **0.625**

2

Fraction	Decimal	Percentage
$\frac{1}{5}$	0.2	**20%**
$\frac{11}{20}$	**0.55**	55%
$\frac{3}{8}$	**0.375**	**37.5%**

3 Divide the numerator by the denominator.

The correct value is **0.4**

4 $\frac{9}{20} = 0.45 = 45\%$

which is **greater** than 42% ✓

5 Maths: 87.5%

Science: 86%

English: 89%

English

6 Walk: 15 Bus: 12

Car: 50 – 15 – 12 = 23

$\frac{23}{50}$ = **46%**

Mr&Mrs MATHS