GCSE FOUNDATION · REVISION MAT 1

Fractions, decimals and percentages

1 (a) Write 0.35 as a fraction in its simplest form.

(b) Write $\frac{3}{8}$ as a decimal.

2 Complete the table.

Fraction	Decimal	Percentage
$\frac{1}{4}$		
	0.6	
		35%

3 Ali says,

"0.3 = 3%"

Explain why Ali is wrong.

4 Show that $\frac{3}{5}$ is greater than 55%

5 Here are Rosa's test results.

Maths	Science	English
$\frac{17}{20}$	82%	0.84 of the marks

In which subject did Rosa do best?

Show how you decide.

6 There are 40 students in a year group.

$\frac{2}{5}$ 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 1

Fractions, decimals and percentages

1 (a) $\frac{7}{20}$

(b) **0.375**

2

Fraction	Decimal	Percentage
$\frac{1}{4}$	**0.25**	**25%**
$\frac{3}{5}$	0.6	**60%**
$\frac{7}{20}$	**0.35**	35%

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

The correct value is **30%**

4 $\frac{3}{5} = 0.6 = 60\%$

which is **greater** than 55% ✓

5 Maths: 85%
Science: 82%
English: 84%

Maths

6 Walk: 16 Bus: 14

Car: 40 – 16 – 14 = 10

$\frac{10}{40}$ = **25%**

Mr&Mrs MATHS