GCSE FOUNDATION · REVISION MAT 3

Fractions, decimals and percentages

1 (a) Write 0.125 as a fraction in its simplest form.

(b) Write $\frac{3}{5}$ as a decimal.

2 Complete the table.

Fraction	Decimal	Percentage
		40%
	0.125	
$\frac{17}{20}$		

3 Cody says,

"0.08 = 80%"

Explain why Cody is wrong.

4 Show that $\frac{3}{4}$ is less than 78%

5 Here are Rosa's test results.

Maths	Science	English
$\frac{33}{40}$	81%	0.8 of the marks

In which subject did Rosa do best?

Show how you decide.

6 There are 80 students in a year group.

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

0.4 of them come by bus.

The rest come by car.

What percentage come by car?

Mr&Mrs MATHS

ANSWERS · REVISION MAT 3

Fractions, decimals and percentages

1 (a) $\frac{1}{8}$

(b) **0.6**

2

Fraction	Decimal	Percentage
$\frac{2}{5}$	**0.4**	40%
$\frac{1}{8}$	0.125	**12.5%**
$\frac{17}{20}$	**0.85**	**85%**

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

The correct value is **8%**

4 $\frac{3}{4} = 0.75 = 75\%$

which is **less** than 78% ✓

5 Maths: 82.5%
Science: 81%
English: 80%

Maths

6 Walk: 30 Bus: 32

Car: 80 – 30 – 32 = 18

$\frac{18}{80}$ = **22.5%**