Version B

Fractions, decimals and percentages

White Rose MATHS

Name: _____

1 Circle the fractions that are equivalent to 0.4

$\frac{1}{40}$ $\frac{1}{4}$ $\frac{4}{10}$ $\frac{2}{5}$

1 mark

2 Convert the fractions to decimals.

$\frac{17}{50} = \frac{\square}{100} = \square$

1 mark

$\frac{21}{25} = \square$

1 mark

$\frac{75}{500} = \square$

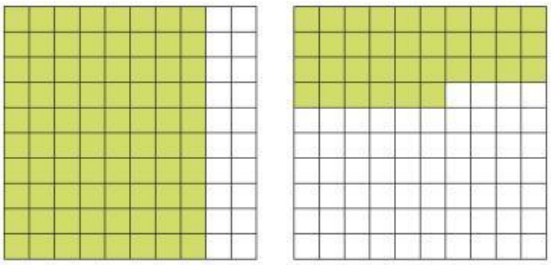
1 mark

3 Match the decimals to the equivalent fractions.

0.75	$\frac{9}{18}$
0.3	$\frac{3}{4}$
0.5	$\frac{3}{10}$

1 mark

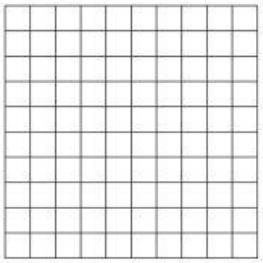
4 What percentage of each hundred square is shaded?



□ % □ %

2 marks

Shade 34% of the hundred square.



What fraction of the hundred square is shaded?

□

1 mark

1 mark

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5 

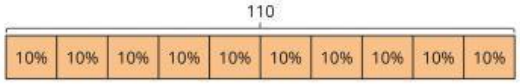
Is Alex correct? _____

Explain your answer.

1 mark

6 Work out the percentages of the amounts.

Use the bar model to help you.



10% of 110 = ☐ 40% of 110 = ☐

2 marks

80% of 110 = ☐ 5% of 110 = ☐

2 marks

7 50% of a number is 63

What is the number?

☐

1 mark

10% of a number is 84

What is the number?

☐

1 mark

8 Complete the table.

Percentage	Fraction	Decimal
50%	$\frac{1}{2}$	0.5
3%	$\frac{3}{100}$	
	$\frac{1}{20}$	0.05

2 marks

9 A farmer has a large bag of apples.

There are 240 apples in the bag.

She uses $\frac{1}{5}$ of the apples to make some juice.

She uses 25% of the apples to make some pies.

How many apples are left?

☐

2 marks

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