

Fractions, decimals
and percentages

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.

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

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

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

☐
1 mark

☐
1 mark

☐
1 mark

- 3 Match the decimals to the equivalent fractions.

0.75

 $\frac{9}{18}$

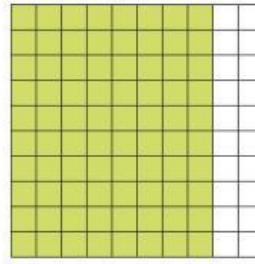
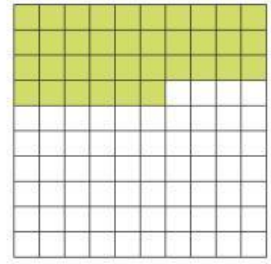
0.3

 $\frac{3}{4}$

0.5

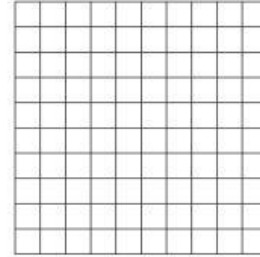
 $\frac{3}{10}$
☐
1 mark

- 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

5



$\frac{27}{50}$ is less
than 0.5

Is Alex correct? _____

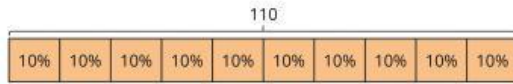
Explain your answer.

1 mark

6

Work out the percentages of the amounts.

Use the bar model to help you.



10% of 110 =

40% of 110 =

80% of 110 =

5% of 110 =

2 marks

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