

Fractions, decimals  
and percentages

Name: \_\_\_\_\_

- 1 Circle the fractions that are equivalent to 0.4

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

1 mark

- 2 Convert the fractions to decimals.

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

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

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

1 mark

1 mark

1 mark

- 3 Match the decimals to the equivalent fractions.

0.75

 $\frac{9}{18}$ 

0.3

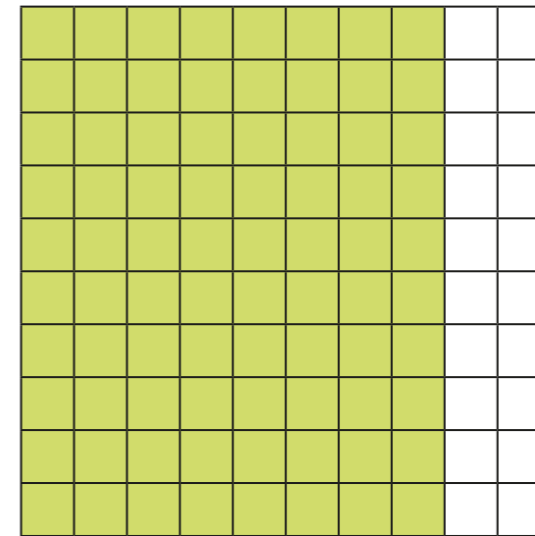
 $\frac{3}{4}$ 

0.5

 $\frac{3}{10}$ 

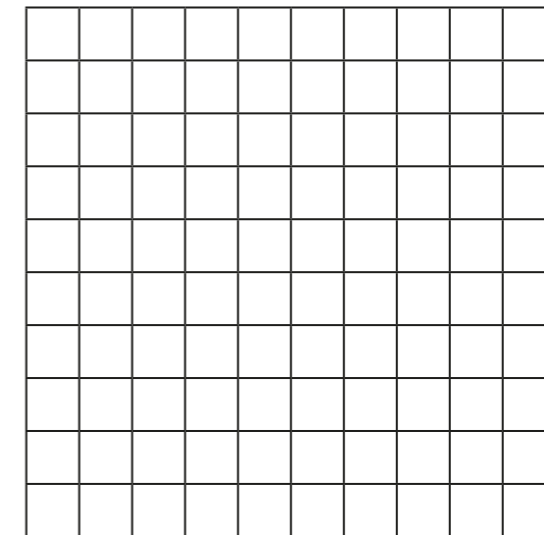
1 mark

- 4 What percentage of each hundred square is shaded?

 % %

2 marks

Shade 34% of the hundred square.

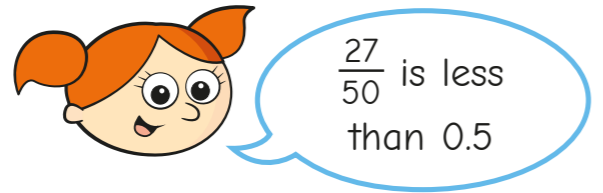


What fraction of the hundred square is shaded?

1 mark

1 mark

5

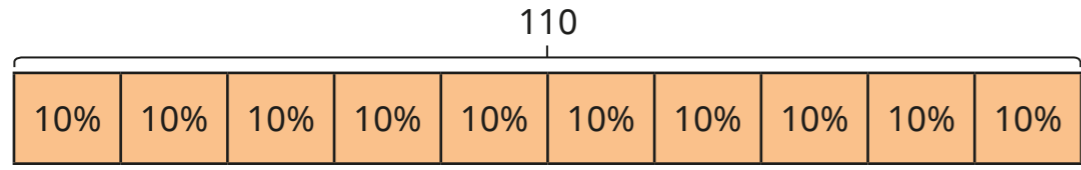


Is Alex correct? \_\_\_\_\_  
 Explain your answer.

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