

Fractions, decimals and percentages

B

Name _____

1 Circle the fractions which are equivalent to 0.5

$\frac{1}{5}$ $\frac{5}{10}$ $\frac{1}{50}$ $\frac{1}{2}$



1 mark

2 Convert the fractions to decimals.

$$\frac{22}{50} = \frac{\square}{100} = \underline{\hspace{2cm}}$$



1 mark

$$\frac{125}{500}$$



1 mark

$$\frac{5}{25}$$



1 mark

3 Match the decimals to their equivalent fraction.

0.75

$\frac{1}{2}$

0.6

$\frac{3}{5}$

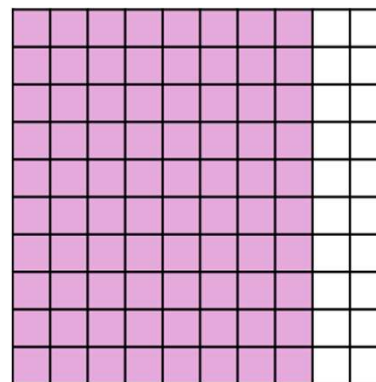
0.5

$\frac{3}{4}$

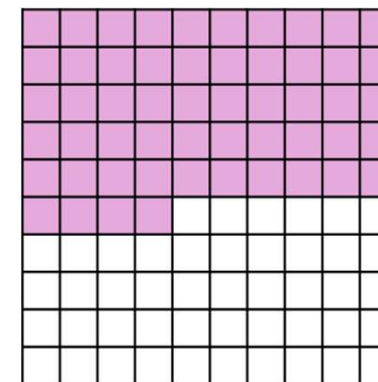


2 marks

4 Here are some hundred squares. What percentage of each 100 square is shaded?



_____ %

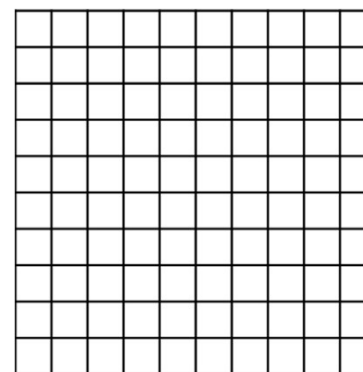


_____ %



2 marks

Shade 32% of the hundred square.



What fraction of the hundred square is shaded?



1 mark



1 mark

5 Alex says that $\frac{18}{80}$ is less than 0.25

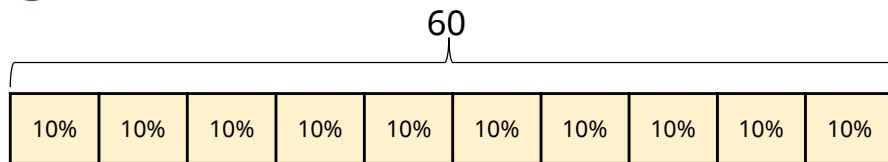
Is Alex correct? Yes No

Explain why.



1 mark

6 Use the bar model to help you calculate.



10% of 60 _____ 30% of 60 _____



1 mark

90% of 60 _____ 5% of 60 _____



1 mark

7 50% of a number is 44
What is the number?



1 mark

10% of a number is 57
What is the number?



1 mark

8 Complete the table.

Percentage	Fraction	Decimal
25%	$\frac{1}{4}$	0.25
3%	$\frac{3}{100}$	_____
_____	$\frac{1}{2}$	0.5
99%		0.99



3 marks

9 Sam has a large bag of apples.
There are 220 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