

Decimals and percentages

Name: _____

- 1 Here is a number on a place value chart.

Ones	Tenths	Hundredths
	<div style="display: flex; justify-content: space-around;"> 0.1 0.1 0.1 </div> <div style="display: flex; justify-content: space-around;"> 0.1 0.1 </div>	<div style="display: flex; justify-content: space-around;"> 0.01 0.01 </div>

Write the number as a decimal.

1 mark

Write the number as a fraction.

1 mark

What is the number rounded to the nearest tenth?

1 mark

- 2 Match the underlined digits to the values.

0.46

6 ones

0.68

6 hundredths

61

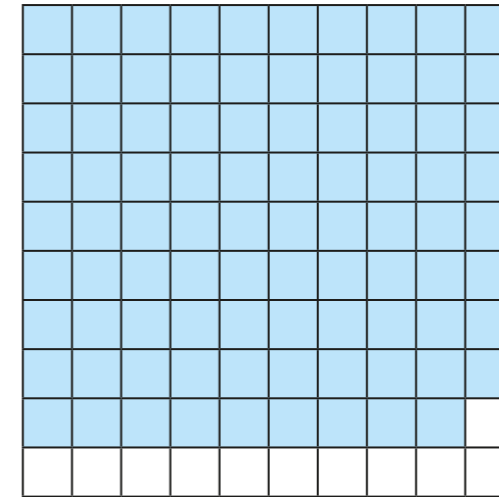
6 tenths

36.8

6 tens

2 marks

- 3 Here is a hundred square.



What percentage of the hundred square is shaded?

 %

1 mark

What fraction of the hundred square is shaded?

1 mark

- 4 Work out the missing numbers.

$$\frac{62}{100} = \frac{6}{10} + \frac{\square}{100}$$

$$\frac{\square}{10} + \frac{7}{\square} = \frac{27}{100}$$

3 marks

- 5 Complete the statement.

$$\frac{1}{4} = \square \%$$

1 mark

- 6 There are 1,000 people at a concert.
538 of the people are children.
What fraction of the people are children?

1 mark

Write the fraction as a decimal.

1 mark

- 7 Mo is running a 1 km race.
He runs $\frac{845}{1000}$ of the race.
How many metres has Mo run so far?

 m

1 mark

What fraction of the race does he have left to run?

 km

1 mark

- 8 The table shows the heights of four children.

Name	Height in metres
Alex	1.48
Jack	1.5
Tommy	1.37
Whitney	1.45

Write the names of the children in order from the tallest to the shortest child.

1 mark

Dora is taller than Whitney, but shorter than Jack.

How tall could Dora be?

 m

1 mark

- 9 Ron has £200

He spends £55 on a coat and £45 on some trainers.

What fraction of his money has Ron spent?

2 marks

Ron spends 38% of his remaining money on a computer game.

How much money does Ron have left?

£

1 mark