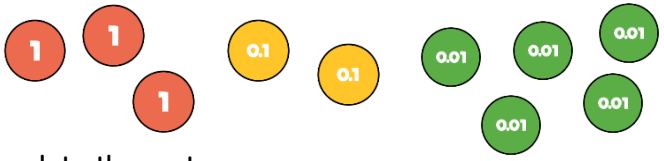
Year 6

Decimals

Name _____

1 Donna makes a number using some counters.



Complete the sentences

There are _____ ones, _____ tenths and _____ hundredths.

1 mark

Donna has made the number _____

1 mark

2 In the number 32.8 which digit is in the ones place?

_____

In the number 32.8 which digit is in the tenths place?

_____

2 marks

3 What is 1.603 + 5 hundredths

_____

1 mark

4 Filip writes a number in a place value grid.

H	T	O	Tth
		1	9

Filip multiplies his number by 10

Write down his answer in the place value grid below.

H	T	O	Tth

1 mark

Flip multiplies his starting number by 100

Write down his answer in the place value grid.

H	T	O	Tth

1 mark

5 Fill in the missing numbers.

$27 \div 10 =$ ☐ $25.9 \times 10 =$ ☐

$3.65 \times$ ☐ $= 365$

3 marks

6 Tom travels 2.3 miles to school.
Amy travels 4 times further than Tom.
How far does Amy travel?

_____ miles

1 mark

7 What is 6.9 divided by 3

_____

1 mark

8 Match the decimals with the equivalent fraction.

0.25	$\frac{3}{6}$
0.4	$\frac{1}{4}$
0.5	$\frac{2}{5}$

2 marks

9 A pack of pens costs 3 times as much as a single pen.
Together they cost £7.20
How much does a single pen cost?

£ _____

2 marks

10 Lisa says that $\frac{23}{50}$ is less than 0.5
Do you agree with Lisa?
Explain your answer.

1 mark

11 Sally and her friends share 3 chocolate bars.



They each get 0.75 of a chocolate bar.
How many friends did Sally share the chocolate bar with?

_____

1 mark

12 Bargain Busters sell four cans of soup for £3.76
Cost Cutters sell three cans of soup for £2.85
Which shop sells the cheapest soup?
Explain your answer.

2 marks

Circle how confident you feel with decimals.

1 2 3 4 5

Not confident — Very confident