

Year 6

Decimals



Name _____

- 1 Donna makes a number using some counters.



Complete the sentences

There are _____ ones, _____ tenths and _____ hundredths.

Donna has made the number _____

1 mark

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

Filip multiplies his starting number by 100

Write down his answer in the place value grid.

H	T	O	Tth

- 5 Fill in the missing numbers.

$$27 \div 10 = \boxed{} \quad 25.9 \times 10 = \boxed{}$$

$$3.65 \times \boxed{} = 365$$

1 mark

1 mark

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

$\frac{2}{5}$

- 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

2 marks

Circle how confident you feel with decimals.

1

2

3

4

5

Not
confident

Very
confident