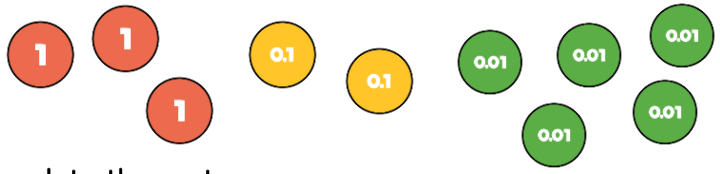
Year 6

Decimals

Name _____

1 Donna makes a number using some counters.



Complete the sentences

There are ___3___ ones, ___2___ tenths and ___5___ hundredths.

Donna has made the number ___3.25___

1 mark

1 mark

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

2

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

8

2 marks

3 What is 1.603 + 5 hundredths

1.653

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	9	0

1 mark

Flip multiplies his starting number by 100

Write down his answer in the place value grid.

H	T	O	Tth
1	9	0	0

1 mark

5 Fill in the missing numbers.

$27 \div 10 =$ 2.7 $25.9 \times 10 =$ 259

$3.65 \times$ 100 $= 365$

3 marks

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

9.2 miles

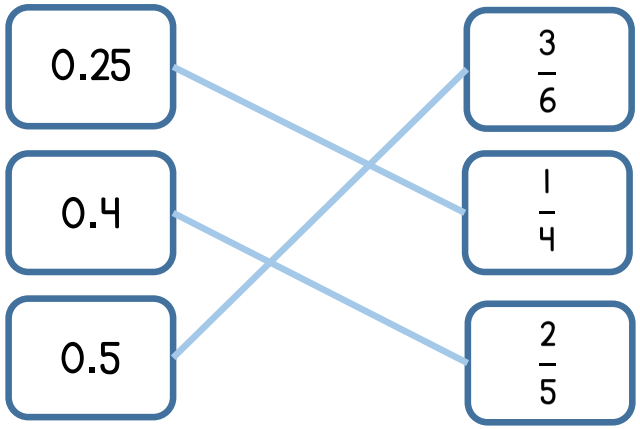
1 mark

7 What is 6.9 divided by 3

2.3

1 mark

8 Match the decimals with the equivalent fraction.



1 mark for 2 correct.

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?

1 mark for correct method with 1 error.

£ 1.80

2 marks

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

Yes because 0.5 is equivalent to a half, and $\frac{23}{50}$ is less than a half.

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?

3

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.

Bargain Busters: 94p per can
Cost Cutters: 95p per can
Bargain Busters is cheaper.
1 mark for working out the correct cost of soup at one shop.

2 marks

Circle how confident you feel with decimals.

1 2 3 4 5

Not confident — Very confident