

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

Filip multiplies his starting number by 100

Write down his answer in the place value grid.

H	T	O	Tth
1	9	0	0

- 5 Fill in the missing numbers.

$$27 \div 10 =$$

2.7

$$25.9 \times 10 =$$

259

$$3.65 \times$$

100

$$= 365$$

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?

9.2 miles

1 mark

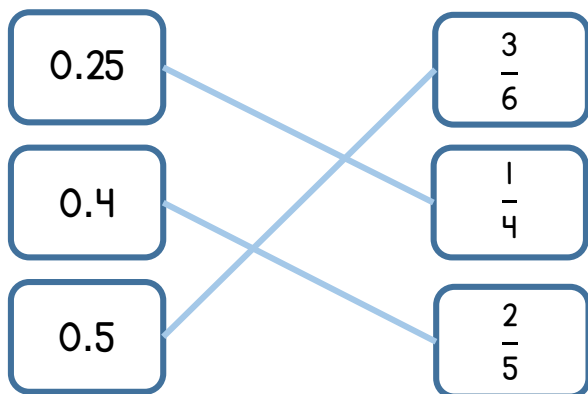
- 7 What is 6.9 divided by 3

2.3

1 mark

- 8 Match the decimals with the equivalent fraction.

1 mark
for 2
correct.



- 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