

**Multiplying
by 10**

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths
		4	3	• 9	
				•	
				•	

To multiply by 10 all the digits move one space to the left.

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths
	6	8	9	•	
			0	•	

To multiply by 10 all the digits move one space to the left.

**Multiplying
by 100**

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths
		1	9	• 5	
			0	•	
				•	

To multiply by 100 all the digits move two spaces to the left.

**Multiplying
by 1000**

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths
			0	• 4	1
			0	•	
				•	

To multiply by 1000 all the digits move three spaces to the left.

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths
			6	• 4	
		0	0	•	
				•	

To multiply by 1000 all the digits move three spaces to the left.

**Division by
10**

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths
	7	5	5	•	
				•	
				•	

To divide by 10 all the digits move one space to the right.

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths
		2	1	• 1	
				•	
				•	

To divide by 10 all the digits move one space to the right.

**Division by
100**

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths
	8	0	9	•	
				•	
				•	

To divide by 100 all the digits move two spaces to the right.

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths
			6	•	
			0	•	0
				•	

To divide by 100 all the digits move two spaces to the right.

**Division by
1000**

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths
7	0	8	0	•	
				•	
				•	

To divide by 1000 all the digits move three spaces to the right.

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths
	5	2	0	•	
			0	•	
				•	

To divide by 1000 all the digits move three spaces to the right.

**Your turn to
have a go!**

0.18

1.2

5.67

25

Answers

1.8

12

56.7

250

X10

4.23

1.25

5.1

0.23

Answers

423

125

510

23

X100

2.34

3.24

1.8

2.3

Answers

2340

3240

1800

2300

X1000

12.3

14.2

3.2

2

Answers

1.23

1.42

0.32

0.2

$\div 10$

532

234

320

210

Answers

5.32

2.34

3.2

2.1

$\div 100$

3.2

34.2

332.1

253

Answers

0.0032

0.0342

0.3321

0.253

$\div 1000$

Now complete p 11 and 12 of your home learning packs

Multiplying and Dividing Decimals by 10, 100 and 1000

Aim: Multiply and Divide decimal numbers by 10, 100 and 1000

Multiply the following numbers by 10, 100 and 1000 to complete the table.

	$\times 10$	$\times 100$	$\times 1000$
5.7			
23.02			
0.92			
0.306			
24.67			

Divide the following numbers by 10, 100 and 1000 to complete the table.

	$\div 10$	$\div 100$	$\div 1000$
43			
219			
703			
64.8			
2560			

Complete the following table.

	$\times 10$	$\div 10$	$\div 100$
507			
17.6			
			0.063
2037			
		0.193	