

Tuesday 16th June

Welcome y6 we are moving back to decimal calculations today. Think slider where it helps!

Go to white rose y6 summer week 5 lesson 1 to watch the video before completing the worksheet below:

Multiply by 10, 100 and 1,000

White
Rose
Maths

- 1 Complete the calculations and sentences.
Use place value counters to help you.

Th	H	T	O	Tth	Hth
			● ● ● ● ●	●	

a) $2.3 \times 10 =$

When the number is multiplied by 10 the counters move place to the left.

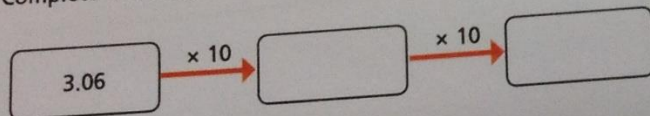
b) $2.3 \times 100 =$

When the number is multiplied by 100 the counters move places to the left.

c) $2.3 \times 1,000 =$

When the number is multiplied by 1,000 the counters move places to the left.

- 2 Complete the diagram.



55 76 2 1



- 3 a) Draw counters on the place value charts to represent each calculation.

4.4×1

Th	H	T	O	Tth	Hth
			●	●	

4.4×10

Th	H	T	O	Tth	Hth
			●	●	

4.4×100

Th	H	T	O	Tth	Hth
			●	●	

$4.4 \times 1,000$

Th	H	T	O	Tth	Hth
			●	●	

- b) Complete the calculations.

$4.4 \times 1 =$

$4.4 \times 10 =$

$4.4 \times 100 =$

$4.4 \times 1,000 =$

What do you notice?

4 Complete the calculations.

a) $13.44 \times 10 =$

d) $4.4 \times$ $= 4,400$

b) $41.4 \times 100 =$

e) $= 1.03 \times 100$

c) $0.415 \times 1,000 =$

f) $30.44 =$ $\times 10$

Now search for [multiply divide decimals by 10,100.1000 by quizziz.com](#) to do the multiple choice quiz

Then practise multiplication/division skills on [topmarks](#)

Scroll down for answers..

Multiply by 10, 100 and 1,000

1 Complete the calculations and sentences.
Use place value counters to help you.

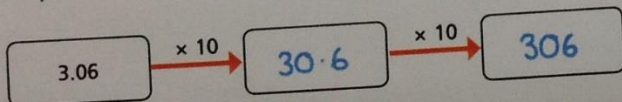
Th	H	T	O	Tth	Hth
			● ● ● ●	● ● ● ●	

a) $2.3 \times 10 =$ 23
When the number is multiplied by 10 the counters move 1 place to the left.

b) $2.3 \times 100 =$ 230
When the number is multiplied by 100 the counters move 2 places to the left.

c) $2.3 \times 1,000 =$ 2,300
When the number is multiplied by 1,000 the counters move 3 places to the left.

2 Complete the diagram.



3 a) Draw counters on the place value charts to represent each calculation.

4.4×1

Th	H	T	O	Tth	Hth
			● ● ● ●	● ● ● ●	

4.4×10

Th	H	T	O	Tth	Hth
			● ● ● ●	● ● ● ●	
			←		

4.4×100

Th	H	T	O	Tth	Hth
			● ● ● ●	● ● ● ●	
		←			

$4.4 \times 1,000$

Th	H	T	O	Tth	Hth
			● ● ● ●	● ● ● ●	
			←		

b) Complete the calculations.

$4.4 \times 1 =$ 4.4

$4.4 \times 10 =$ 44

$4.4 \times 100 =$ 440

$4.4 \times 1,000 =$ 4,400

What do you notice?

4

Complete the calculations.

a) $13.44 \times 10 = 134.4$

b) $41.4 \times 100 = 4,140$

c) $0.415 \times 1,000 = 415$

d) $4.4 \times 1,000 = 4,400$

e) $103 = 1.03 \times 100$

f) $30.44 = 3.044 \times 10$