

15.01.21 Fluent in five

1) $12 \times 33 =$

2) $80 + 90 =$

3) $450 \times 30 =$

4) $16.07 - 4.79 =$

5) $810 \div 90 =$

6) $30 \times 8 =$

1) $\frac{1}{2} + \frac{1}{4} =$

2) $\frac{7}{8} - \frac{1}{8} =$

3) $9348 + 1249 =$

4) $9521 - 2139 =$

5) $761 \times 2 =$

WALT multiply by 10, 100 and 1000 (Fluency)

<https://vimeo.com/487198038>



If we multiply by 10, 100 or 1000 does our number get bigger or smaller?

To do this, will our number move to the left or right?

Using the place value grid, multiply 1.24 by 10, 100 and 1000

[illegible]

Multiply 1.24 by 10, 100 and 1000

TTh	Th	H	T	O	ths	hths

Try 0.34 multiplied by 10, 100 and 1000

TTh	Th	H	T	O	ths	hths

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.

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

$$4.4 \times 1$$

Th	H	T	O	Tth	Hth

$$4.4 \times 10$$

Th	H	T	O	Tth	Hth

$$4.4 \times 100$$

Th	H	T	O	Tth	Hth

$$4.4 \times 1,000$$

Th	H	T	O	Tth	Hth

Calculate these in your books

$\times 10$

$\times 100$

$\times 1000$

1.6

0.9

0.06

7.83

5.38

2.8

63.5

71.6

1.43

24.05

0.44

6.7

TTh	Th	H	T	O	ths	hths

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) $30.44 =$ $\times 10$

Varied Fluency

Identify the number represented on the place value chart.

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths
			● ●	●	

Multiply it by 10, 100 and 1,000 and complete the sentence stem for each.

When multiplied by ____ the counters move ____ places to the ____.

Use a place value chart to multiply the following decimals by 10, 100 and 1,000

6.4

6.04

6.004

Fill in the missing numbers in these calculations

$$32.4 \times \boxed{} = 324$$

$$1.562 \times 1,000 = \boxed{}$$

$$\boxed{} \times 100 = 208$$

$$4.3 \times \boxed{} = 86$$