Varied Fluency
Step 11: Multiply by 10, 100 and 1,000

National Curriculum Objectives:

Mathematics Year 5: (5C6b) Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000

Differentiation:

Developing Questions to support multiplying by 10, 100 and 1,000. Using decimal numbers; all questions have visual representation for support (e.g. Place value chart, Gattegno grid).
Expected Questions to support multiplying by 10, 100 and 1,000. Using numbers up to 3 decimal places.
Greater Depth Questions to support multiplying by 10, 100 and 1,000. Multi-step problems, using decimal numbers. (e.g. 13.425 x 10 x 100 x 10)

More Year 5 Decimals resources.

Did you like this resource? Don't forget to review it on our website.

Multiply by 10, 100 and 1,000

1a. Multiply 215 by 10. Put your answer in the place value chart.

TTh	Th	H	T	O	Tths	Hths

D VF

1b. Multiply 36 by 100. Put your answer in the place value chart.

TTh	Th	H	T	O	Tths	Hths

D VF

2a. True or false? The place value chart shows the answer to 21 multiplied by 1,000.

TTh	Th	H	T	O	Tths	Hths
	● ●	●				

D VF

2b. True or false? The place value chart shows the answer to 142 multiplied by 100.

TTh	Th	H	T	O	Tths	Hths
●	● ● ● ●	● ●				

D VF

3a. Has this number been multiplied by 10, 100 or 1,000?

42 x ☐ = 42,000

TTh	Th	H	T	O	Tths	Hths

D VF

3b. Has this number been multiplied by 10, 100 or 1,000?

578 x ☐ = 5,780

TTh	Th	H	T	O	Tths	Hths

D VF

4a. Fill in the missing number.

☐ x 1,000 = 18,000

TTh	Th	H	T	O	Tths	Hths

D VF

4b. Fill in the missing number.

☐ x 10 = 400

TTh	Th	H	T	O	Tths	Hths

D VF

Multiply by 10, 100 and 1,000

Multiply by 10, 100 and 1,000

5a. Multiply 6.125 by 100. Put your answer in the place value chart.

TTh	Th	H	T	O	Tths	Hths

VF

5b. Multiply 12.053 by 1,000. Put your answer in the place value chart.

TTh	Th	H	T	O	Tths	Hths

VF

6a. True or false? The place value chart shows the answer to 122.5 multiplied by 10.

TTh	Th	H	T	O	Tths	Hths
	●	● ●	● ●	● ● ● ●		

VF

6b. True or false? The place value chart shows the answer to 0.95 multiplied by 100.

TTh	Th	H	T	O	Tths	Hths
		● ● ● ● ● ● ● ●	● ● ●			

VF

7a. Has this number been multiplied by 10, 100 or 1,000?

54.22 x ☐ = 542.2

VF

7b. Has this number been multiplied by 10, 100 or 1,000?

0.064 x ☐ = 64

VF

8a. Fill in the missing number.

☐ x 1,000 = 26

VF

8b. Fill in the missing number.

☐ x 100 = 109

VF

Multiply by 10, 100 and 1,000

Multiply by 10, 100 and 1,000

9a. Multiply 310.99 by 100. Put your answer in the place value chart.

TTh	Th	H	T	O	Tths	Hths

GD VF

9b. Multiply 0.106 by 1,000. Put your answer in the place value chart.

TTh	Th	H	T	O	Tths	Hths

GD VF

10a. True or false? The place value chart shows the answer to 21.321 multiplied by 10, then by 10 again.

TTh	Th	H	T	O	Tths	Hths
● ●	●	● ●	● ●	●		

GD VF

10b. True or false? The place value chart shows the answer to 0.208 multiplied by 100, then by 10.

TTh	Th	H	T	O	Tths	Hths
		● ●		● ● ● ●		

GD VF

11a. Has this number been multiplied by 10, 100 or 1,000?

10.007 x 10 x ☐ = 10,007

GD VF

11b. Has this number been multiplied by 10, 100 or 1,000?

1.221 x 10 x ☐ = 122.1

GD VF

12a. Fill in the missing number.

☐ x 10 x 10 = 5.5

GD VF

12b. Fill in the missing number.

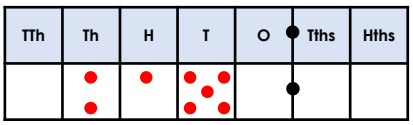
☐ x 100 x 10 = 158

GD VF

Varied Fluency
Multiplying by 10, 100 and 1,000

Developing

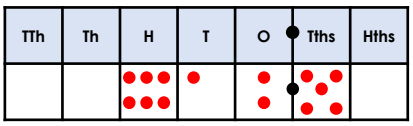
1a.



2a. False, it has been multiplied by 100.
3a. 1,000
4a. 18

Expected

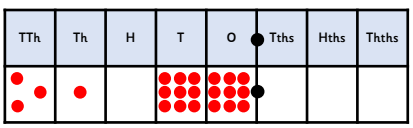
5a.



6a. True
7a. 10
8a. 0.026

Greater Depth

9a.

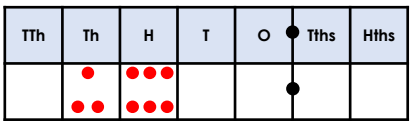


10a. False, it has been multiplied by 1,000
11a. 100
12a. 0.055

Varied Fluency
Multiplying by 10, 100 and 1,000

Developing

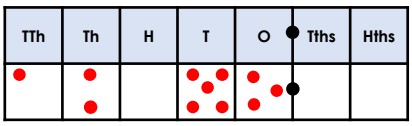
1b.



2b. True
3b. 10
4b. 40

Expected

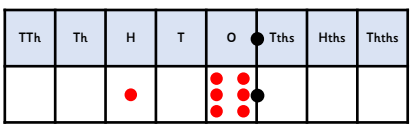
5b.



6b. False, it has been multiplied by 1,000.
7b. 1,000
8b. 1.09

Greater Depth

9b.



10b. True
11b. 10
12b. 0.158