Varied Fluency
Step 2: Multiplying 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 1,000

Differentiation:

Developing Questions to support multiplying a 2-digit or 3-digit number by 10, 100 and 1,000.
Expected Questions to support multiplying a 3-digit or 4-digit number by 10, 100 and 1,000.
Greater Depth Questions to support multiplying a 4-digit or 5-digit number by 10, 100 and 1,000.

More resources which follow the same small steps as White Rose.

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

Varied Fluency – Multiplying by 10, 100 and 1,000

1a. Circle the correct answer to the following calculation.

34 x 10 =

340	3,400

D 5 VF

1b. Circle the correct answer to the following calculation.

42 x 10 =

4,200	420

D 5 VF

2a. Complete the calculation.

☐ = 27 x 1,000

D 5 VF

2b. Complete the calculation.

☐ = 81 x 1,000

D 5 VF

3a. Look at the number shown below.

Th	H	T	O
	● ●	● ●	● ●

Multiply the number by 10. Draw where the counters will be now.

Th	H	T	O

D 5 VF

3b. Look at the number shown below.

Th	H	T	O
		● ● ●	●

Multiply the number by 10. Draw where the counters will be now.

Th	H	T	O

D 5 VF

4a. Complete the calculation.

753 x ☐ = 7,530

D 5 VF

4b. Complete the calculation.

194 x ☐ = 19,400

D 5 VF

Varied Fluency – Multiplying by 10, 100 and 1,000

5a. Circle the correct answer to the following calculation.

521 x 100 =

5,210	52,100	25,100

5 VF

5b. Circle the correct answer to the following calculation.

842 x 100 =

8,420	8,240	84,200

5 VF

6a. Complete the calculation.

☐ = 8,386 x 10

5 VF

6b. Complete the calculation.

☐ = 4,585 x 10

5 VF

7a. Look at the number shown below.

Th	H	T	O
	●●●	●●	●

Multiply the number by 10. Draw where the counters will be now.

Th	H	T	O

5 VF

7b. Look at the number shown below.

Th	H	T	O
	●●	●●●	●●

Multiply the number by 10. Draw where the counters will be now.

Th	H	T	O

5 VF

8a. Complete the calculation.

3,567 x ☐ = 356,700

5 VF

8b. Complete the calculation.

8,856 x ☐ = 885,600

5 VF

Varied Fluency – Multiplying by 10, 100 and 1,000

9a. Circle the correct answer to the following calculation.

7,954 x 10 =

79,540	75,940	7,964

GD 5 VF

9b. Circle the correct answer to the following calculation.

9,365 x 10 =

93,560	93,650	9,375

GD 5 VF

10a. Complete the calculation.

☐ = 85,276 x 1,000

GD 5 VF

10b. Complete the calculation.

☐ = 39,356 x 1,000

GD 5 VF

11a. Look at the number shown below.

TTh	Th	H	T	O
		● ●	●	● ●

Multiply the number by 100. Draw where the counters will be now.

TTh	Th	H	T	O

GD 5 VF

11b. Look at the number shown below.

TTh	Th	H	T	O
		● ● ●	● ●	●

Multiply the number by 100. Draw where the counters will be now.

TTh	Th	H	T	O

GD 5 VF

12a. Complete the calculation.

93,245 x ☐ = 932,450

GD 5 VF

12b. Complete the calculation.

26,395 x ☐ = 2,639,500

GD 5 VF

Varied Fluency – Multiplying by 10, 100 and 1,000

Developing

1a. 340
1b. 420
2a. 27,000
2b. 81,000
3a. 2,220
3b. 310
4a. 10
4b. 100

Expected

5a. 52,100
5b. 84,200
6a. 83,860
6b. 45,850
7a. 3,210
7b. 2,320
8a. 100
8b. 100

Greater Depth

9a. 79,540
9b. 93,650
10a. 85,276,000
10b. 39,356,000
11a. 21,200
11b. 32,100
12a. 10
12b. 100