Varied Fluency
Step 2: Multiply by 100

National Curriculum Objectives:

Mathematics Year 4: (4C6a) Recall multiplication and division facts for multiplication tables up to 12 × 12
Mathematics Year 4: (4C6b) Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers

Differentiation:

Developing Questions to support multiplying 2-digit numbers by 100. Includes PV charts and counters for each question.
Expected Questions to support multiplying 2-digit numbers by 100. Includes numerals and some PV charts.
Greater Depth Questions to support multiplying 2-digit numbers by 100 where some numbers are presented using unconventional partitioning and numbers presented in context i.e money, measurements and multiplying by 100 or 10 x 10.

More Year 4 Multiplication and Division resources.

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

Multiply by 100

1a. Draw the counters to complete the calculation 100 x 34.

Th	H	T	O
		● ● ●	● ● ● ●

Th	H	T	O

D VF

1b. Draw the counters to complete the calculation 53 x 100.

Th	H	T	O
		● ● ● ● ●	● ● ●

Th	H	T	O

D VF

2a. Match each place value chart with the correct calculation.

A.

Th	H	T	O
● ●	● ● ● ● ● ●		

B.

Th	H	T	O
● ● ● ● ●	● ● ●		

26 x 100

100 x 53

D VF

2b. Match each place value chart with the correct calculation.

A.

Th	H	T	O
● ● ● ● ● ●	● ● ●		

B.

Th	H	T	O
● ● ● ● ●	● ● ● ● ● ●		

100 x 56

63 x 100

D VF

3a. Which statement is correct?

Th	H	T	O
● ● ● ● ● ● ● ● ●	● ● ● ● ● ● ● ● ●		

A. 89 x 100 > 98 x 100

B. 89 x 100 < 90 x 100

D VF

3b. Which statement is correct?

Th	H	T	O
● ● ● ● ● ● ●	● ● ● ● ●		

A. 75 x 100 > 57 x 100

B. 75 x 100 = 100 x 74

D VF

4a. True or false? 67 x 100 =

Th	H	T	O
● ● ● ● ● ● ●	● ● ● ● ● ●		

D VF

4a. True or false? 49 x 100 =

Th	H	T	O
● ● ● ●	● ● ● ● ● ● ● ●		

D VF

Multiply by 100

5a. Draw the counters to complete the calculation 100 x 46.

Th	H	T	O

VF

Multiply by 100

5b. Draw the counters to complete the calculation 72 x 100.

Th	H	T	O

VF

6a. Match each calculation with the correct answer.

A.	13 x 100	300
B.	30 x 100	1,300
C.	3 x 100	3,000

VF

6b. Match each calculation with the correct answer.

A.	18 x 100	8,100
B.	80 x 100	8,000
C.	100 x 81	1,800

VF

7a. Which statements are correct?

A. 42 x 100 > 24 x 100

B. 16 x 100 = 100 x 16

C. 51 x 100 < 19 x 100

VF

7b. Which statements are correct?

A. 21 x 100 < 100 x 12

B. 49 x 100 > 100 x 16

C. 100 x 35 = 35 x 100

VF

8a. True or false?

100 x 91 = 19,000

VF

8b. True or false?

100 x 11 = 11,000

VF

Multiply by 100

9a. Complete the calculations below.

A.	54 x 10 x 10 =
B.	45 ones x 100 =
C	84 ones x 10 x 10 =

GD VF

Multiply by 100

9b. Complete the calculations below.

A.	3 tens x 10 x 10 =
B.	71 x 100 =
C.	49 ones x 10 x 10 =

GD VF

10a. Match each calculation with the correct answer.

A.	4 tens x 100	800
B.	8 tens x 100	4,000
C.	8 x 10 x 10	8,000

GD VF

10b. Match each calculation with the correct answer.

A.	58 x 100	9,100
B.	91 x 100	5,800
C.	7 tens x 100	7,000

GD VF

11a. Which statements are correct?

A. 6 tens x 100 > 9 ones x 100

B. 45 ones x 100 = 100 x 45

C. 7 tens x 100 < 89 x 100

GD VF

11b. Which statements are correct?

A. 100 x 63 > 56 x 100

B. 37 ones x 100 > 100 x 40

C. 5 tens x 100 = 50 x 100

GD VF

12a. True or false?

5 tens and 6 ones x 10 x 10 = 6,500

GD VF

12b. True or false?

78 ones x 10 x 10 = 8,800

GD VF

Varied Fluency
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Developing

1a. 3,400 represented in place value chart
2a. A = 26 x 100; B = 100 x 53
3a. B
4a. False, the correct answer is 6,700.

Expected

5a. 4,600 represented in place value chart
6a. A = 1,300; B = 3,000; C = 300
7a. A and B are correct.
8a. False, the correct answer is 9,100.

Greater Depth

9a. A = 5,400; B = 4,500; C = 8,400
10a. A = 4,000; B = 8,000; C = 800
11a. A, B and C are correct.
12a. False, the correct answer is 5,600.

Varied Fluency
Multiply by 100

Developing

1b. 5,300 represented in place value chart
2b. A = 63 x 100; B = 100 x 56
3b. A
4b. True

Expected

5b. 7,200 represented in place value chart
6b. A = 1,800; B = 8,000; C = 8,100
7b. B and C are correct.
8b. False, the correct answer is 1,100.

Greater Depth

9b. A = 3,000; B = 7,100; C = 4,900
10b. A = 5,800; B = 9,100; C = 7,000
11b. A and C are correct.
12b. False, the correct answer is 7,800.