Varied Fluency
Step 6: Multiply 2 Digits by 1 Digit

National Curriculum Objectives:

Mathematics Year 4: (4C7) Multiply two-digit and three-digit numbers by a one-digit number using formal written layout

Differentiation:

Developing Questions to support multiplying 2 digits by 1 digit using expanded form only with no exchanges. Supported with pictorial representation and scaffolding for all questions.
Expected Questions to support multiplying 2 digits by 1 digit starting with expanded form and moving to short written method with exchanges. Supported with pictorial representations and some scaffolding.
Greater Depth Questions to support multiplying 2 digits by 1 digit using short written method with exchanges. Some questions have incomplete calculations. No pictorial support.

More Year 4 Multiplication and Division resources.

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

Multiply 2 Digits by 1 Digit

Multiply 2 Digits by 1 Digit

1a. Which representation matches the calculation?

A.

T	O
10 10	1 1
10 10	1 1
10 10	1 1
10 10	1 1

B.

T	O
10	1 1
10	1 1
10	1 1
10	1 1

12 x 4

VF

1b. Which representation matches the calculation?

A.

T	O
10 10	1
10 10	1
10 10	1

B.

T	O
10	1 1
10	1 1
10	1 1

21 x 3

VF

2a. True or false? The calculation is correct.

10 10 10 1 1
10 10 10 1 1
10 10 10 1 1

	3	2	
x		3	
		6	(3 x 2)
	9	0	(3 x 30)
	9	6	

VF

2b. True or false? The calculation is correct.

10 10 10 10 1
10 10 10 10 1

	4	1	
x		2	
		2	(2 x 1)
	6	0	(2 x 40)
	6	2	

VF

3a. Solve the calculation.

10 10 1 1 1
10 10 1 1 1
10 10 1 1 1

	2	3
x		3

☐ x 3 = ☐

VF

3b. Solve the calculation.

10 10 10 1 1 1 1
10 10 10 1 1 1 1

	3	4
x		2

☐ x 2 = ☐

VF

4a. Match the calculation to the correct answer.

	4	2
x		2

(2 x 2)
(2 x 40)

10 10 10 10 1 1
10 10 10 10 1 1

48 88 84

VF

4b. Match the calculation to the correct answer.

	2	4
x		2

(2 x 4)
(2 x 20)

10 10 1 1 1 1
10 10 1 1 1 1

84 48 68

VF

Multiply 2 Digits by 1 Digit

Multiply 2 Digits by 1 Digit

5a. Which calculation matches the number sentence?

A.

	1	6
x		4
	2	4
	4	0
	6	4

(4 x 6)
(4 x 10)

B.

	1	6
x		4
	2	4
	4	0
	6	0

(4 x 6)
(4 x 10)

16 x 4

VF

5b. Which calculation matches the number sentence?

A.

	1	7
x		3
	1	4
	3	0
	4	4

(3 x 7)
(3 x 10)

B.

	1	7
x		3
	2	1
	3	0
	5	1

(3 x 7)
(3 x 10)

17 x 3

VF

6a. True or false? The calculation is correct.

	4	2
x		6
	1	2
2	4	0
2	5	2

(6 x 2)
(6 x 40)

VF

6b. True or false? The calculation is correct.

	2	3
x		8
	2	4
2	4	0
2	6	4

(8 x 3)
(8 x 20)

VF

7a. Solve the calculation.

x

☐ x 4 = ☐

VF

7b. Solve the calculation.

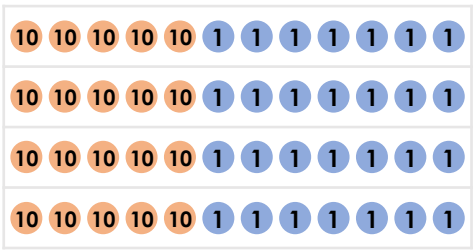
x

☐ x 4 = ☐

VF

8a. Match the calculation to the correct answer.

	5	7
x		4



182 202 228

VF

8b. Match the calculation to the correct answer.

	9	6
x		2	

192 206 198

VF

Multiply 2 Digits by 1 Digit

9a. Which calculation matches the number sentence?

A.

	1	5
x		8
1	2	0
	4	

B.

	1	5
x		8
8	4	0

15 x 8

VF

10a. True or false? The calculation is correct.

	5	6
x		7
3	5	4
	4	

VF

11a. Solve the calculation.

	7	?
x		4
2	?	2
	1	

☐ x 4 = ☐

VF

12a. Use each number once to complete the calculation.

	?	2
x		6
?	9	?
	1	

2 4 8

VF

Multiply 2 Digits by 1 Digit

9b. Which calculation matches the number sentence?

A.

	1	6
x		7
7	4	2
	4	

B.

	1	6
x		7
1	1	2
	4	

16 x 7

VF

10b. True or false? The calculation is correct.

	6	3
x		8
5	0	4
	2	

VF

11b. Solve the calculation.

	?	5
x		3
?	8	5
	?	

☐ x 3 = ☐

VF

12b. Use each number once to complete the calculation.

	3	?
x		8
?	1	2
	?	

3 9 7

VF

Varied Fluency
Multiply 2 Digits by 1 Digit

Developing

1a. B
2a. True: 32 x 3 = 96
3a. 23 x 3 = 69
4a. 84

Expected

5a. A
6a. True: 42 x 6 = 252
7a. 23 x 4 = 92
8a. 228

Greater Depth

9a. A
10a. False: 56 x 7 = 392
11a. 73 x 4 = 292
12a. 82 x 6 = 492

Varied Fluency
Multiply 2 Digits by 1 Digit

Developing

1b. A
2b. False: 41 x 2 = 82
3b. 34 x 2 = 68
4b. 48

Expected

5b. B
6b. False: 23 x 8 = 184
7b. 54 x 4 = 216
8b. 192

Greater Depth

9b. B
10b. True: 63 x 8 = 504
11b. 95 x 3 = 285
12b. 39 x 8 = 312