

Varied Fluency

Step 4: Multiply 2 Digits by 1 Digit 2

National Curriculum Objectives:

Mathematics Year 3: (3C6) [Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables](#)

Mathematics Year 3: (3C7) [Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods](#)

Mathematics Year 3: (3C8) [Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which \$n\$ objects are connected to \$m\$ objects](#)

Differentiation:

Developing Questions to support multiplying a 2-digit number by a 1-digit number with one exchange. Includes 2, 3, 4, 5 and 8 times tables. Supported with pictorial representations and scaffolding for all questions.

Expected Questions to support multiplying a 2-digit number by a 1-digit number with exchanges. Includes 2, 3, 4, 5 and 8 times tables. Supported with some pictorial representations and some incomplete calculations.

Greater Depth Questions to support multiplying any 2-digit number by a 1-digit number with exchanges. Includes 2, 3, 4, 5 and 8 times tables. Some missing numbers within calculations alongside partial pictorial representation.

More [Year 3 Multiplication and Division](#) resources.

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Multiply 2 Digits by 1 Digit 2

1a. There are 14 cans of tuna in each box. Mr Hardy buys 2 boxes. How many cans does he have?

14

+

14

=

		1	4
x			2



VF

Multiply 2 Digits by 1 Digit 2

1b. There are 11 buns in a pack. Miss Toggler buys 5 packs. How many buns does she have?

11

+

11

+

11

+

11

+

11

=

		1	1
x			5



VF

2a. Complete the calculation.

		2	4
x			3

Tens	Ones



VF

2b. Complete the calculation.

		3	3
x			3

Tens	Ones



VF

3a. True or false?

Tens	Ones

		2	3
x			4
		8	2
		1	



VF

3b. True or false?

Tens	Ones

		2	1
x			5
	1	0	5
	1		



VF

Multiply 2 Digits by 1 Digit 2

4a. There are 32 biscuits in a packet. Miss Platt buys 4 packets. How many biscuits does she have?

+ + + =

		3	2
x			4



VF

Multiply 2 Digits by 1 Digit 2

4b. There are 85 books in a pack. Mr Smith buys 3 packs. How many books does he have?

+ + =

		8	5
x			3



VF

5a. Complete the calculation and draw the missing place value counters.

x			4

Tens	Ones
10 10 10 10	1 1



VF

5b. Complete the calculation and draw the missing place value counters.

x			4

Tens	Ones
10 10	1 1 1 1



VF

6a. True or false? The answer is 84.

Tens	Ones

x			



VF

6b. True or false? The answer is 126.

Tens	Ones

x			



VF

Multiply 2 Digits by 1 Digit 2

7a. There are 56 eggs in a tray. The baker buys 8 trays. How many eggs do they have?

x			



VF

Multiply 2 Digits by 1 Digit 2

7b. There are 64 pencils in a box. Mrs Myers buys 4 packs. How many pencils does Mrs Myers have?

x			



VF

8a. Complete the calculation and draw the missing place value counters.

			5
x			
		8	

Tens			Ones
10	10	10	



VF

8b. Complete the calculation and draw the missing place value counters.

		4	
x			
			8
		1	

Tens	Ones		
	1	1	1



VF

9a. True or false? When completed, the three digits 2, 6 and 8 are not used in the multiplication below.

Tens	Ones

x			
		5	



VF

9b. True or false? When completed, the three digits 5, 6 and 8 are not used in the multiplication below.

Tens	Ones

x			
		4	



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Varied Fluency
Multiply 2 Digits by 1 Digit 2

Developing

- 1a. 28
2a. 72
3a. False, the answer is 92

Expected

- 5a. 128
6a. 168
7a. 84

Greater Depth

- 7a. 448
8a. $35 \times 8 = 280$
9a. False, the digit 6 is used. The calculation is $39 \times 4 = 156$

Varied Fluency
Multiply 2 Digits by 1 Digit 2

Developing

- 1b. 55
2b. 99
3b. True

Expected

- 5b. 255
6b. 96
7b. False, the answer is 128

Greater Depth

- 7b. 256
8b. $43 \times 6 = 258$
9b. True, the three digits are not used.