

Varied Fluency

Step 3: Multiply 2 Digits by 1 Digit 1

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 no exchanges) using knowledge of the 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 no exchanges) using knowledge of the 2, 3, 4, 5 and 8 times tables. Supported with some pictorial representations and some incomplete calculations.

Greater Depth Questions to support multiplying a 2-digit number by a 1-digit number (with no exchanges) using knowledge of the 2, 3, 4, 5, and 8 times tables. Some missing numbers within calculations alongside partial pictorial representation.

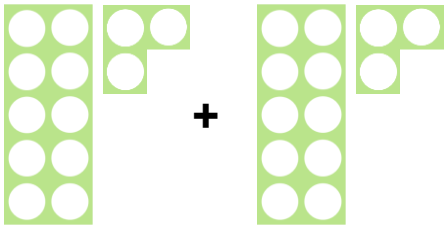
More [Year 3 Multiplication and Division](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Multiply 2 Digits by 1 Digit 1

Multiply 2 Digits by 1 Digit 1

1a. Complete these calculations.



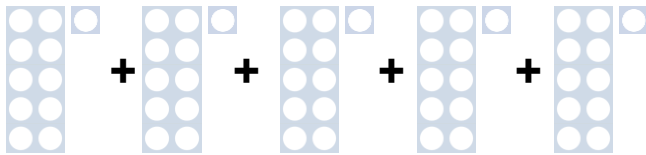
$$13 + 13 = \square$$



$$13 \times 2 = \square$$

VF

1b. Complete these calculations.



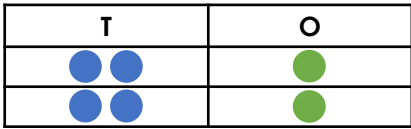
$$11 + 11 + 11 + 11 + 11 = \square$$



$$11 \times 5 = \square$$

VF

2a. Complete the calculations below.



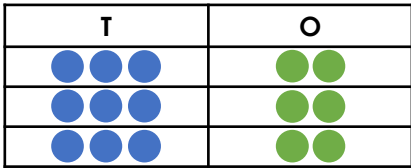
$$21 + 21 = \square$$



$$21 \times 2 = \square$$

VF

2b. Complete the calculations below.



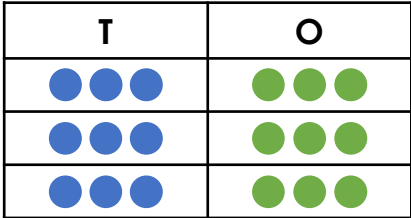
$$32 + 32 + 32 = \square$$



$$32 \times 3 = \square$$

VF

3a. True or false? $33 \times 3 = 89$



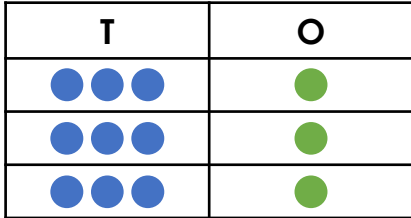
$$33 + 33 + 33 = \square$$



$$33 \times 3 = \square$$

VF

3b. True or false? $31 \times 3 = 93$



$$31 + 31 + 31 = \square$$

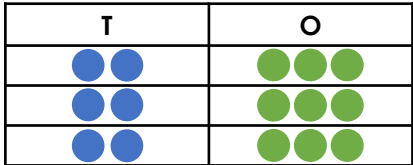


$$31 \times 3 = \square$$

VF

4a. Circle the correct answer.

63 96 69 66 93



$$23 + 23 + 23 = \square$$

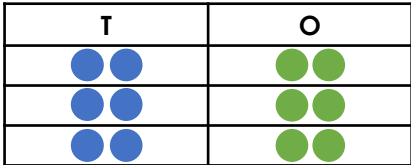


$$23 \times 3 = \square$$

VF

4b. Circle the correct answer.

69 33 99 66 46



$$22 + 22 + 22 = \square$$



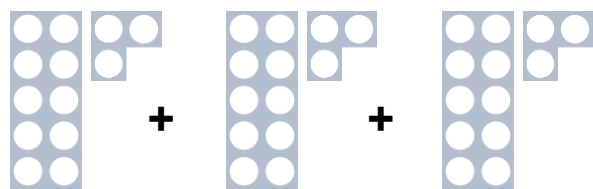
$$22 \times 3 = \square$$

VF

Multiply 2 Digits by 1 Digit 1

Multiply 2 Digits by 1 Digit 1

5a. Complete these calculations.



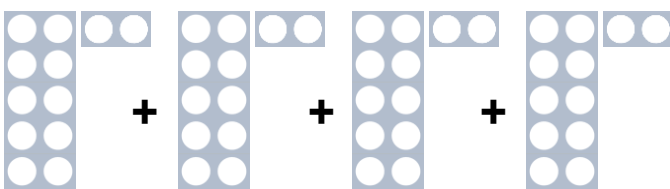
$$\square + \square + \square = \square$$

$$\square \times \square = \square$$



VF

5b. Complete these calculations.



$$\square + \square + \square + \square = \square$$

$$\square \times \square = \square$$



VF

6a. Complete the calculation below.

T	O
● ●	● ●
● ●	● ●
● ●	● ●
● ●	● ●

$$\square \times 4 = \square$$



VF

6b. Complete this calculation below.

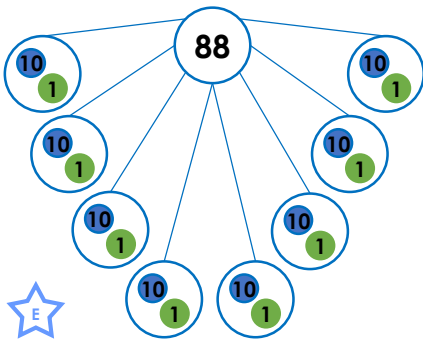
T	O
● ● ●	● ● ●
● ● ●	● ● ●
● ● ●	● ● ●

$$\square \times 3 = \square$$



VF

7a. True or false? $8 \times 11 = 88$

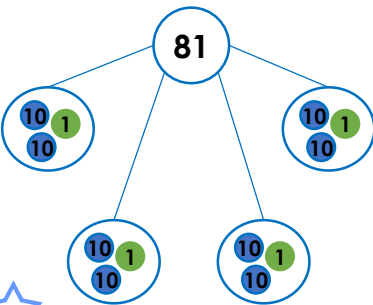


	T	O
	1	1
x		8



VF

7b. True or false? $21 \times 4 = 81$



	T	O
	2	1
x		4



VF

8a. Using the numbers below complete the calculation.

63 33 91 93 31

$$\square \times 3 = \square$$

T	O
● ● ●	●
● ● ●	●
● ● ●	●



VF

8b. Using the numbers below complete the calculation.

63 36 16 12 21

$$\square \times 3 = \square$$

T	O
●	● ●
●	● ●
●	● ●



VF

Multiply 2 Digits by 1 Digit 1

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9a. Complete and match these calculations.

12
x
=

14 + 14

14
x
=

13 + 13 + 13

13
x
=

12 + 12 + 12



VF

9b. Complete and match these calculations.

21
x
=

24 + 24

23
x
=

21 + 21 + 21

24
x
=

23 + 23 + 23



VF

10a. Draw the missing place value counters to complete the calculation.

T	O



12
x
=

VF

10b. Draw the missing place value counters to complete the calculation.

T	O



x
21
=

VF

11a. True or false? 41 x 2 = 84

	T	O
	4	1
x		2



VF

11b. True or false? 23 x 3 = 96

	T	O
	2	3
x		3



VF

12a. Use the diagram to complete the calculation and work out the answer.

x
=

T	O



VF

12b. Use the diagram to complete the calculation and work out the answer.

x
=

T	O



VF

Varied Fluency Multiply 2 Digits by 1 Digit 1

Developing

- 1a. 26
2a. 42
3a. False, $33 \times 3 = 99$
4a. 69

Expected

- 5a. $13 + 13 + 13 = 39$; $13 \times 3 = 39$
6a. $22 \times 4 = 88$
7a. True
8a. $31 \times 3 = 93$

Greater Depth

- 9a. $12 \times 3 = 36$; $12 + 12 + 12$
 $14 \times 2 = 28$; $14 + 14$
 $13 \times 3 = 39$; $13 + 13 + 13$
10a. $12 \times 4 = 48$

T	O
●	●●
●	●●
●	●●
●	●●

- 11a. False; $41 \times 2 = 82$
12a. $32 \times 3 = 96$

Varied Fluency Multiply 2 Digits by 1 Digit 1

Developing

- 1b. 55
2b. 96
3b. True
4b. 66

Expected

- 5b. $12 + 12 + 12 + 12 = 48$; $12 \times 4 = 48$
6b. $33 \times 3 = 99$
7b. False; $21 \times 4 = 84$
8b. $12 \times 3 = 36$

Greater Depth

- 9b. $21 \times 3 = 63$; $21 + 21 + 21$
 $23 \times 3 = 69$; $23 + 23 + 23$
 $24 \times 2 = 48$; $24 + 24$
10b. $4 \times 21 = 84$

T	O
●●	●
●●	●
●●	●
●●	●

- 11b. False, $23 \times 3 = 69$
12b. $42 \times 2 = 84$