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:

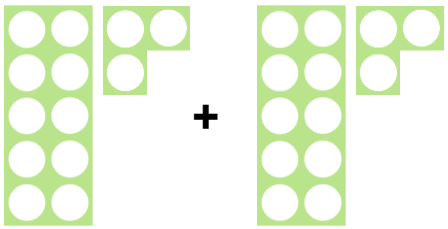
Developing Questions to support multiplying a 2-digit number by a 1-digit number (with no exchanges) using knowledge of the 2, 3, 4, 5 and 8 times tables. Supported with pictorial representations and scaffolding for all questions.
Expected Questions to support multiplying a 2-digit number by a 1-digit 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

1a. Complete these calculations.

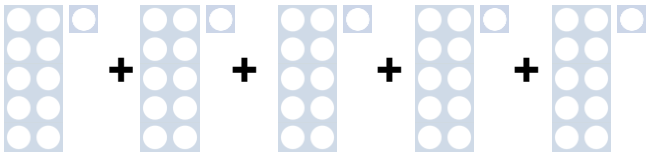


13 + 13 = ☐

13 x 2 = ☐

D VF

1b. Complete these calculations.



11 + 11 + 11 + 11 + 11 = ☐

11 x 5 = ☐

D VF

2a. Complete the calculations below.

T	O
●●	●
●●	●

21 + 21 = ☐

21 x 2 = ☐

D VF

2b. Complete the calculations below.

T	O
●●●	●●
●●●	●●
●●●	●●

32 + 32 + 32 = ☐

32 x 3 = ☐

D VF

3a. True or false? 33 x 3 = 89

T	O
●●●	●●●
●●●	●●●
●●●	●●●

33 + 33 + 33 = ☐

33 x 3 = ☐

D VF

3b. True or false? 31 x 3 = 93

T	O
●●●	●
●●●	●
●●●	●

31 + 31 + 31 = ☐

31 x 3 = ☐

D VF

4a. Circle the correct answer.

63 96 69 66 93

T	O
●●	●●●
●●	●●●
●●	●●●

23 + 23 + 23 = ☐

23 x 3 = ☐

D VF

4b. Circle the correct answer.

69 33 99 66 46

T	O
●●	●●
●●	●●
●●	●●

22 + 22 + 22 = ☐

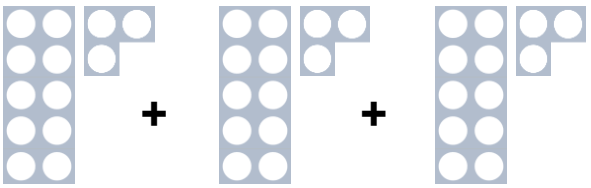
22 x 3 = ☐

D VF

Multiply 2 Digits by 1 Digit 1

Multiply 2 Digits by 1 Digit 1

5a. Complete these calculations.

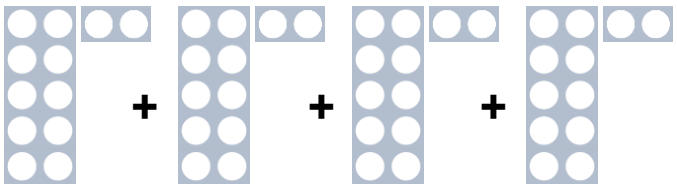


□ + □ + □ = □

□ x □ = □

VF

5b. Complete these calculations.



□ + □ + □ + □ = □

□ x □ = □

VF

6a. Complete the calculation below.

T	O
●●	●●
●●	●●
●●	●●
●●	●●

□ x 4 = □

VF

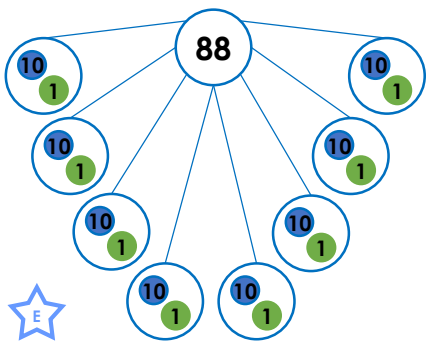
6b. Complete this calculation below.

T	O
●●●	●●●
●●●	●●●
●●●	●●●

□ x 3 = □

VF

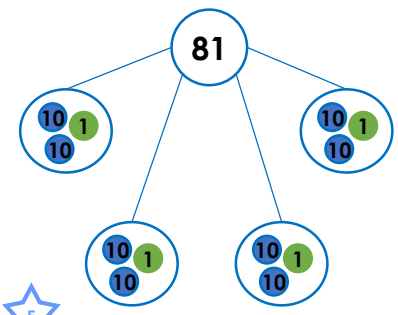
7a. True or false? 8 x 11 = 88



	T	O
	1	1
x		8

VF

7b. True or false? 21 x 4 = 81



	T	O
	2	1
x		4

VF

8a. Using the numbers below complete the calculation.

63 33 91 93 31

□ x 3 = □

T	O
●●●	●
●●●	●
●●●	●

VF

8b. Using the numbers below complete the calculation.

63 36 16 12 21

□ x 3 = □

T	O
●	●●
●	●●
●	●●

VF

Multiply 2 Digits by 1 Digit 1

9a. Complete and match these calculations.

12 x ☐ = ☐ 14 + 14

14 x ☐ = ☐ 13 + 13 + 13

13 x ☐ = ☐ 12 + 12 + 12

GD VF

9b. Complete and match these calculations.

21 x ☐ = ☐ 24 + 24

23 x ☐ = ☐ 21 + 21 + 21

24 x ☐ = ☐ 23 + 23 + 23

GD VF

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

T	O
	●●
	●●
	●●
	●●

12 x ☐ = ☐

GD VF

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

T	O
●●	
●●	
●●	
●●	

☐ x 21 = ☐

GD VF

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

	T	O
	4	1
x		2

GD VF

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

	T	O
	2	3
x		3

GD VF

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

☐ x ☐ = ☐

T	O
●●●	●●
●●●	●●
●●●	●●

GD VF

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

☐ x ☐ = ☐

T	O
●●●●	●●
●●●●	●●

GD VF

Varied Fluency
Multiply 2 Digits by 1 Digit 1

Developing

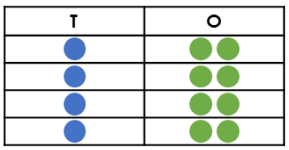
1a. 26
2a. 42
3a. False, 33 x 3 = 99
4a. 69

Expected

5a. 13 + 13 + 13 = 39; 13 x 3 = 39
6a. 22 x 4 = 88
7a. True
8a. 31 x 3 = 93

Greater Depth

9a. 12 x 3 = 36; 12 + 12 + 12
14 x 2 = 28; 14 + 14
13 x 3 = 39; 13 + 13 + 13
10a. 12 x 4 = 48



11a. False; 41 x 2 = 82
12a. 32 x 3 = 96

Varied Fluency
Multiply 2 Digits by 1 Digit 1

Developing

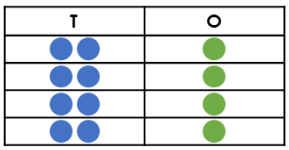
1b. 55
2b. 96
3b. True
4b. 66

Expected

5b. 12 + 12 + 12 + 12 = 48; 12 x 4 = 48
6b. 33 x 3 = 99
7b. False; 21 x 4 = 84
8b. 12 x 3 = 36

Greater Depth

9b. 21 x 3 = 63; 21 + 21 + 21
23 x 3 = 69; 23 + 23 + 23
24 x 2 = 48; 24 + 24
10b. 4 x 21 = 84



11b. False, 23 x 3 = 69
12b. 42 x 2 = 84