# 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.

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

# Multiply 2 Digits by 1 Digit 2

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 |
| | | | |
| | | | |

D VF

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

11 + 11 + 11 + 11 + 11 = ☐

| | | 1 | 1 |
|---|---|---|---|
| x | | | 5 |
| | | | |
| | | | |

D VF

**2a. Complete the calculation.**

| | | 2 | 4 |
|---|---|---|---|
| x | | | 3 |
| | | ☐ | ☐ |
| | | | |

| Tens | Ones |
|---|---|
| | |
| | |
| | |

D VF

**2b. Complete the calculation.**

| | | 3 | 3 |
|---|---|---|---|
| x | | | 3 |
| | | ☐ | ☐ |
| | | | |

| Tens | Ones |
|---|---|
| | |
| | |
| | |

D VF

**3a. True or false?**

| Tens | Ones |
|---|---|
| | |
| | |
| | |
| | |

| | | 2 | 3 |
|---|---|---|---|
| x | | | 4 |
| | | 8 | 2 |
| | | 1 | |

D VF

**3b. True or false?**

| Tens | Ones |
|---|---|
| | |
| | |
| | |
| | |
| | |

| | | 2 | 1 |
|---|---|---|---|
| x | | | 5 |
| | 1 | 0 | 5 |
| | 1 | | |

D 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 |
|---|---|
| | |
| | |
| | |
| | |

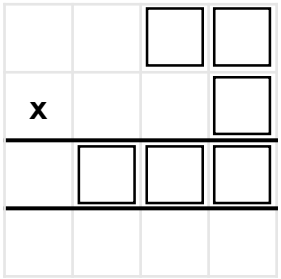
| | | □ | □ |
|---|---|---|---|
| x | | | □ |
| | □ | □ | □ |
| | | | |

VF

# Multiply 2 Digits by 1 Digit 2

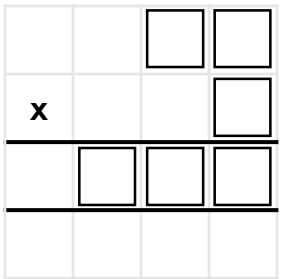
Multiply 2 Digits by 1 Digit 2

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



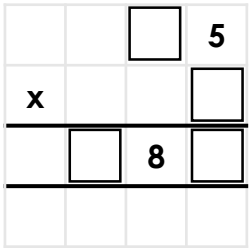

GD VF

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




GD VF

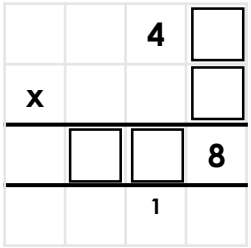
**8a. Complete the calculation and draw the missing place value counters.**




| Tens | Ones |
|---|---|
| 10 10 10 | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

GD VF

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

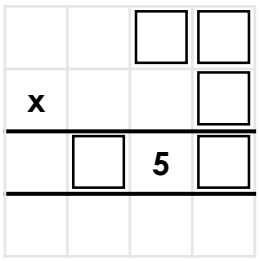



| Tens | Ones |
|---|---|
| | 1 1 1 |
| | |
| | |
| | |
| | |
| | |

GD VF

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

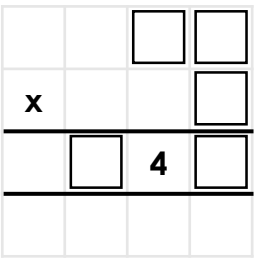
| Tens | Ones |
|---|---|
| | |
| | |
| | |




GD VF

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

| Tens | Ones |
|---|---|
| | |
| | |
| | |




GD VF

## 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 x 8 = 280
9a. False, the digit 6 is used. The calculation is 39 x 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 x 6 = 258
9b. True, the three digits are not used.