# 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:

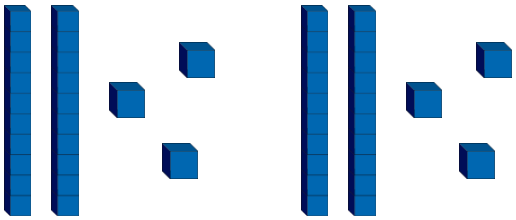
**Developing** Questions to support multiplying a 2-digit number (up to 30) by a 1-digit number with some exchanges. Includes 2, 3 and 5 times tables.
**Expected** Questions to support multiplying any 2-digit number by a 1-digit number with exchanges. Includes 2, 3, 4 and 5 times tables.
**Greater Depth** Questions to support multiplying any 2-digit number by a 1-digit number with exchanges. Includes times tables up to 9.

## 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

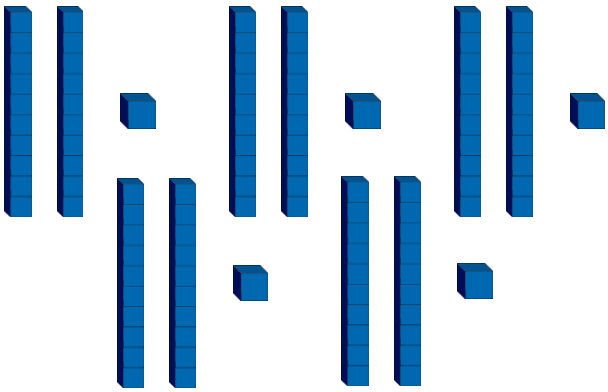
1a. Use Base 10 to calculate 23 x 2.



Record your calculations using column multiplication.

D VF

1b. Use Base 10 to calculate 21 x 5.



Record your calculations using column multiplication.

D VF

# Multiply 2-Digits by 1-Digit 2

2a. Draw the missing place value counters and complete the column multiplication to calculate the answer.

$$\begin{array}{r} 2\ 4 \\ \times\quad 3 \\ \hline \\ \hline \end{array}$$

| Hundreds | Tens | Ones |
|---|---|---|
| | 10 10 | 1 1 1 1 |
| | 10 10 | |
| | | 1 1 1 1 |
| | | |

D VF

2b. Draw the missing place value counters and complete the column multiplication to calculate the answer.

$$\begin{array}{r} 3\ 3 \\ \times\quad 3 \\ \hline \\ \hline \end{array}$$

| Hundreds | Tens | Ones |
|---|---|---|
| | 10 10 10 | 1 1 1 |
| | | 1 1 1 |
| | 10 10 10 | |
| | | |

D VF

3a. There are 14 cans of tuna in each box. Mr Hardy buys 2 boxes.

How many cans does Mr Hardy have?

D VF

3b. There are 11 buns in a pack. Miss Togger buys 5 packs.

How many buns does Miss Togger have?

D VF

4a. True or false?

96 = 24 x 3

D VF

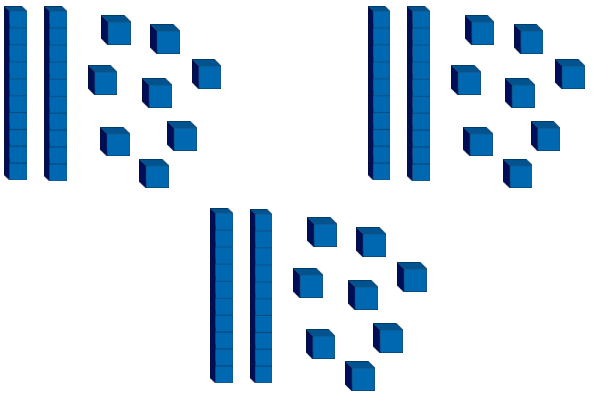
4b. True or false?

63 = 21 x 3

D VF

# Multiply 2-Digits by 1-Digit 2

**5a. Use Base 10 to calculate 56 x 3.**

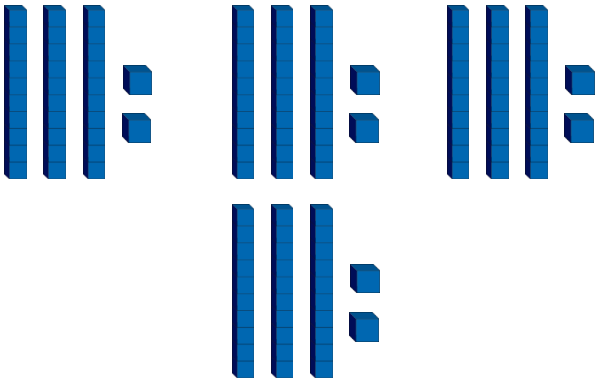


**Record your calculations using column multiplication.**

VF

# Multiply 2-Digits by 1-Digit 2

**5b. Use Base 10 to calculate 64 x 4.**



**Record your calculations using column multiplication.**

VF

**6a. Draw the missing place value counters and complete the column multiplication to calculate the answer.**

$$\begin{array}{r} 4\ 3 \\ \times\quad 4 \\ \hline \\ \hline \end{array}$$

| Hundreds | Tens | Ones |
|---|---|---|
| | 10 10 10 10 | 1 1 1 |
| | | |
| | | |
| | | |
| | | |

VF

**6b. Draw the missing place value counters and complete the column multiplication to calculate the answer.**

$$\begin{array}{r} 2\ 4 \\ \times\quad 4 \\ \hline \\ \hline \end{array}$$

| Hundreds | Tens | Ones |
|---|---|---|
| | 10 10 | 1 1 1 1 |
| | | |
| | | |
| | | |
| | | |

VF

**7a. There are 32 biscuits in a packet. Miss Platt buys 4 packets.**


**How many biscuits does Miss Platt have?**

VF

**7b. There are 85 books in a pack. Mr Smith buys 3 packs.**

**How many books does Mr Smith have?**

VF

**8a. True or false?**

**180 = 95 x 2**

VF

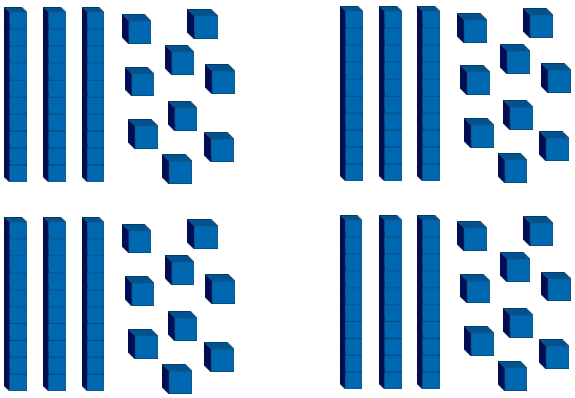
**8b. True or false?**

**252 = 63 x 4**

VF

Multiply 2-Digits by 1-Digit 2

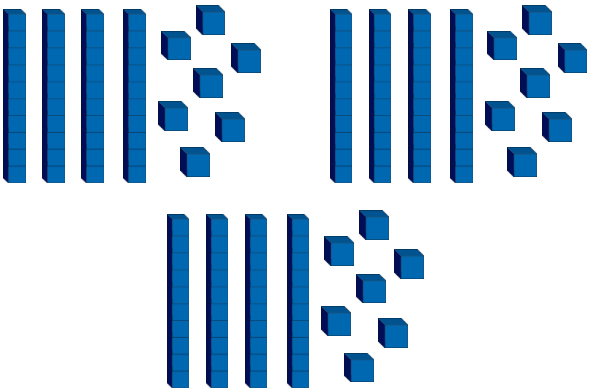
**9a. Use Base 10 to calculate 39 x 4.**



Record your calculations using column multiplication.

GD VF

**9b. Use Base 10 to calculate 47 x 3.**



Record your calculations using column multiplication.

GD VF

**10a. Draw the missing place value counters and complete the column multiplication to calculate the answer.**

$$\begin{array}{r} 3\ 5 \\ \times\quad 8 \\ \hline \\ \hline \end{array}$$

Use place value counters and a table to help you.

GD VF

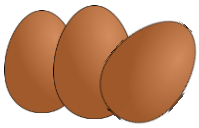
**10b. Draw the missing place value counters and complete the column multiplication to calculate the answer.**

$$\begin{array}{r} 4\ 3 \\ \times\quad 6 \\ \hline \\ \hline \end{array}$$

Use place value counters and a table to help you.

GD VF

**11a. There are 56 eggs in a tray. The baker buys 8 trays.**



How many eggs does the baker have?

GD VF

**11b. There are 64 pencils in a box. Mrs Myers buys 4 packs.**

How many pencils does Mrs Myers have?

GD VF

**12a. True or false?**

372 = 93 x 4

GD VF

**12b. True or false?**

278 = 96 x 3

GD VF

## Varied Fluency
## Multiply 2-Digits by 1-Digit 2

### Developing
1a. 46
2a. 72
3a. 28
4a. False, it is 72.

### Expected
5a. 168
6a. 172
7a. 128
8a. False, it is 190.

### Greater Depth
9a. 156
10a. 280
11a. 448
12a. True

## Varied Fluency
## Multiply 2-Digits by 1-Digit 2

### Developing
1b. 105
2b. 99
3b. 55
4b. True

### Expected
5b. 256
6b. 96
7b. 255
8b. True

### Greater Depth
9b. 141
10b. 258
11b. 256
12b. False, it is 288.