

Varied Fluency

Step 7: Multiply 3 Digits by 1 Digit

National Curriculum Objectives:

Mathematics Year 4: (4C6a) [Recall multiplication and division facts for multiplication tables up to \$12 \times 12\$](#)

Mathematics Year 4: (4C7) [Multiply two-digit and three-digit numbers by a one-digit number using formal written layout](#)

Differentiation:

Developing Questions to support multiplying 3-digit numbers by 1-digit numbers using expanded form only. Includes up to one exchange and no zeros in the tens or ones column. Supported with place value charts for all questions.

Expected Questions to support multiplying 3-digit numbers by 1-digit numbers using short written method. Includes up to two exchanges and some use of zeros in the tens or ones column. Supported with place value charts for all questions.

Greater Depth Questions to support multiplying 3-digit numbers by 1-digit numbers using short written method. Includes up to three exchanges and use of zeros in the tens or ones column. Includes multi-step and incomplete calculations.

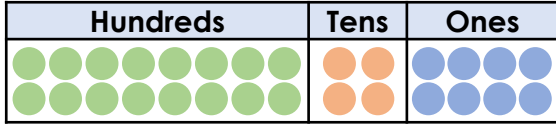
More [Year 4 Multiplication and Division](#) resources.

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

Multiply 3 Digits by 1 Digit

Multiply 3 Digits by 1 Digit

1a. True or false? The calculation below has been worked out correctly.

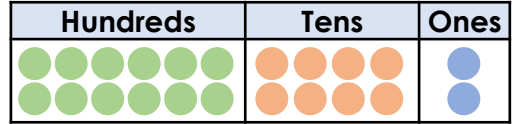


$$\begin{array}{r}
 84 \\
 \times 2 \\
 \hline
 60 \quad (4 \times 2) \\
 60 \quad (20 \times 2) \\
 \hline
 160 \quad (800 \times 2) \\
 \hline
 168
 \end{array}$$



VF

1b. True or false? The calculation below has been worked out correctly.

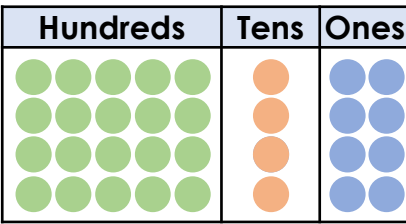


$$\begin{array}{r}
 61 \\
 \times 2 \\
 \hline
 22 \quad (1 \times 2) \\
 80 \quad (40 \times 2) \\
 \hline
 120 \quad (600 \times 2) \\
 \hline
 1282
 \end{array}$$



VF

2a. Circle the correct answer to the calculation below.



$$\begin{array}{r}
 512 \\
 \times 4 \\
 \hline
 00 \\
 00 \\
 \hline
 00
 \end{array}$$

2,048

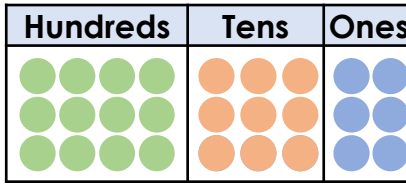
2,058

2,148



VF

2b. Circle the correct answer to the calculation below.



$$\begin{array}{r}
 432 \\
 \times 3 \\
 \hline
 00 \\
 00 \\
 \hline
 00
 \end{array}$$

2,296

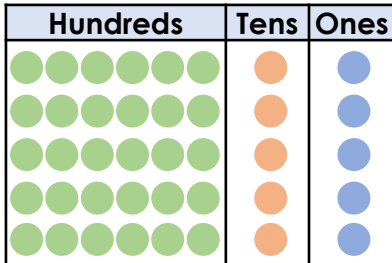
1,896

1,296



VF

3a. Complete the calculation.

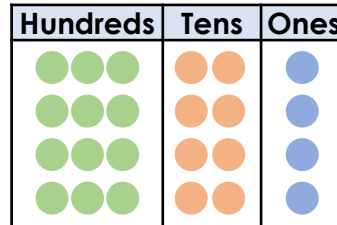


$$\begin{array}{r}
 611 \\
 \times 5 \\
 \hline
 00 \\
 00 \\
 \hline
 00
 \end{array}$$



VF

3b. Complete the calculation.



$$\begin{array}{r}
 321 \\
 \times 4 \\
 \hline
 00 \\
 00 \\
 \hline
 00
 \end{array}$$

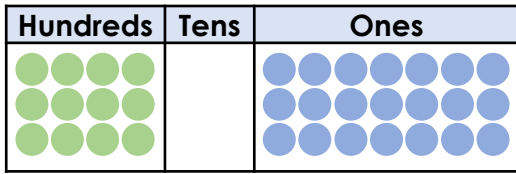


VF

Multiply 3 Digits by 1 Digit

Multiply 3 Digits by 1 Digit

4a. True or false? The calculation below has been worked out correctly.

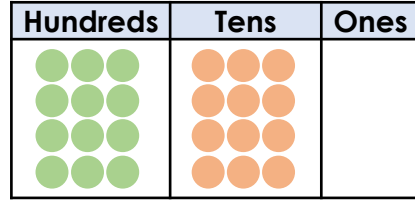


$$\begin{array}{r} 407 \\ \times \quad 3 \\ \hline 1221 \end{array}$$



VF

4b. True or false? The calculation below has been worked out correctly.

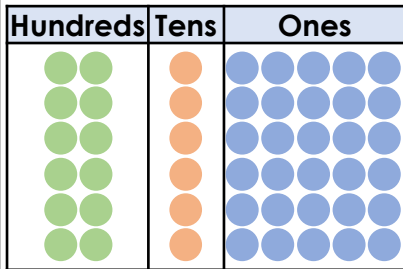


$$\begin{array}{r} 330 \\ \times \quad 4 \\ \hline 1324 \end{array}$$



VF

5a. Circle the correct answer to the calculation below.



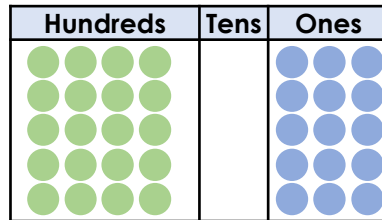
$$\begin{array}{r} 215 \\ \times \quad 6 \\ \hline \end{array}$$

- 1,260
 1,230
 1,290



VF

5b. Circle the correct answer to the calculation below.



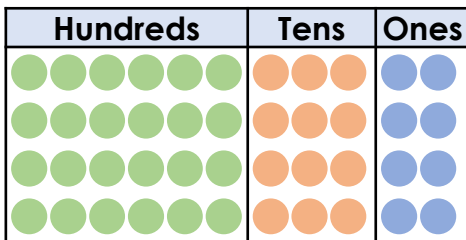
$$\begin{array}{r} 403 \\ \times \quad 5 \\ \hline \end{array}$$

- 2,510
 2,015
 2,105



VF

6a. Complete the calculation.

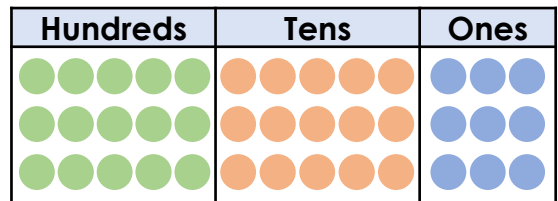


$$\begin{array}{r} 632 \\ \times \quad 4 \\ \hline \end{array}$$



VF

6b. Complete the calculation.



$$\begin{array}{r} 553 \\ \times \quad 3 \\ \hline \end{array}$$



VF

Multiply 3 Digits by 1 Digit

Multiply 3 Digits by 1 Digit

7a. Complete and compare the calculations below using the <, > or = symbols.

	8	0	3
x			7
<hr/>			

○

	6	9	0
x			8
<hr/>			

7b. Complete and compare the calculations below using the <, > or = symbols.

	9	5	0
x			6
<hr/>			

○

	7	0	9
x			9
<hr/>			



VF



VF

8a. Complete the calculation below.

	8	9	2
x			<input style="width: 30px; height: 30px;" type="text"/>
<hr/>			
5	<input style="width: 30px; height: 30px;" type="text"/>	<input style="width: 30px; height: 30px;" type="text"/>	2
	5	1	



VF

8b. Complete the calculation below.

	7	<input style="width: 30px; height: 30px;" type="text"/>	6
x			4
<hr/>			
<input style="width: 30px; height: 30px;" type="text"/>	1	4	<input style="width: 30px; height: 30px;" type="text"/>
	3	2	



VF

9a. Find the difference between the answers of the calculations below.

A.

	7	6	0
x			9
<hr/>			

	8	0	9
x			4
<hr/>			

B.

	6	0	7
x			8
<hr/>			

	7	9	0
x			6
<hr/>			



VF

9b. Find the difference between the answers of the calculations below.

A.

	5	0	8
x			6
<hr/>			

	3	6	0
x			8
<hr/>			

B.

	8	9	0
x			5
<hr/>			

	6	0	8
x			7
<hr/>			



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Varied Fluency
Multiply 3 Digits by 1 Digit

Developing

1a. False, $20 \times 2 = 40$, not 60. The answer should be 1,648.

2a. 2,048

3a. 3,055

Expected

4a. True

5a. 1,290

6a. 2,528

Greater Depth

7a. $5,621 > 5,520$

8a. $892 \times \underline{6} = 5,352$

9a. A: $6,840 - 3,236 = 3,604$, B: $4,856 - 4,740 = 116$

Varied Fluency
Multiply 3 Digits by 1 Digit

Developing

1b. True

2b. 1,296

3b. 1,284

Expected

4b. False, $0 \times 4 = 0$, not 4. The answer should be 1,320.

5b. 2,015

6b. 1,659

Greater Depth

7b. $5,700 < 6,381$

8b. $786 \times 4 = \underline{3,144}$

9b. A: $3,048 - 2,880 = 168$, B: $4,450 - 4,256 = 294$