

LO: To multiply 3 digits by 1 digit

Challenge 1

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

Hundreds	Tens	Ones
8	2	4

$$\begin{array}{r}
 824 \\
 \times \quad 2 \\
 \hline
 1600 \quad (800 \times 2) \\
 60 \quad (20 \times 2) \\
 8 \quad (4 \times 2) \\
 \hline
 1668
 \end{array}$$



VF

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

Hundreds	Tens	Ones
6	4	1

$$\begin{array}{r}
 641 \\
 \times \quad 2 \\
 \hline
 1200 \quad (600 \times 2) \\
 80 \quad (40 \times 2) \\
 2 \quad (1 \times 2) \\
 \hline
 1282
 \end{array}$$



VF

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

Hundreds	Tens	Ones
5	1	2

2	0	4
		0
		0 0

2,048

2,058

2,148



VF

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

Hundreds	Tens	Ones
4	3	2

4	3	3
		0
		0 0

2,296

1,896

1,296



VF

3a. Complete the calculation.

Hundreds	Tens	Ones
6	1	1

		5
		0
		0 0



VF

3b. Complete the calculation.

Hundreds	Tens	Ones
3	2	1

		4
		0
		0 0



VF

Challenge 2

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

Hundreds	Tens	Ones

	4	0	7
x			3
1	2	2	1



VF



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

Hundreds	Tens	Ones

	3	3	0
x			4
1	3	2	4

1

VF

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

Hundreds	Tens	Ones

	2	1	5
x			6

1,260

1,230

1,290



VF



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

Hundreds	Tens	Ones

	4	0	3
x			5

2,510

2,015

2,105

VF

6a. Complete the calculation.

Hundreds	Tens	Ones

	6	3	2
x			4



VF



6b. Complete the calculation.

Hundreds	Tens	Ones

	5	5	3
x			3

VF

Challenge 3

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

	8	0	3
x			7

○

	6	9	0
x			8

	9	5	0
x			6

○

	7	0	9
x			9

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



VF



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8a. Complete the calculation below.

	8	9	2
x			<input type="text"/>

5	<input type="text"/>	<input type="text"/>	2
	5	1	



VF

8b. Complete the calculation below.

	7	<input type="text"/>	6
x			4

<input type="text"/>	1	4	<input type="text"/>
	3	2	



VF

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

A.

	7	6	0
x			9

	8	0	9
x			4

B.

	6	0	7
x			8

	7	9	0
x			6



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

A.

	5	0	8
x			6

	3	6	0
x			8

B.

	8	9	0
x			5

	6	0	8
x			7



VF

Answers

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. $892 \times 6 = 5,352$

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

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. $786 \times 4 = 3,144$

9b. A: $3,048 - 2,880 = 168$, B: $4,450 - 4,256 = 194$