

Varied Fluency

Step 2: Multiply 4-Digits by 2-Digits

National Curriculum Objectives:

Mathematics Year 6: (6C7a) [Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication](#)

Mathematics Year 6: (6C8) [Solve problems involving addition, subtraction, multiplication and division](#)

Differentiation:

Developing Questions to support multiplying 4-digits by 2-digits using a column multiplication format where possible with no exchanging.

Expected Questions to support multiplying 4-digits by 2-digits using a linear and column multiplication format with up to 3 exchanges.

Greater Depth Questions to support multiplying 4-digits by 2-digits using a linear and column multiplication format with multiple exchanges where numbers are represented in numerals and words.

More [Year 6 Four Operations](#) resources.

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

Multiply 4-Digits by 2-Digits

Multiply 4-Digits by 2-Digits

1a. Solve the calculation using column multiplication.

		2	1	3	2
x				3	1
<hr/>					



VF

1b. Solve the calculation using column multiplication.

		3	2	0	4
x				1	2
<hr/>					



VF

2a. Which calculation is correct?

A.						B.							
		1	3	4	2			2	1	1	2		
x				1	1	x				3	4		
<hr/>						<hr/>							
		1	3	4	2			8	4	4	8		
		1	3	4	2	0			6	3	3	6	
		1	4	7	6	2			1	4	7	8	4



VF

2b. Which calculation is correct?

A.						B.							
		2	3	0	3			2	0	4	2		
x				3	1	x				1	2		
<hr/>						<hr/>							
		2	3	0	3			4	0	8	4		
		6	9	3	9	0			2	0	4	2	0
		7	1	6	9	3			2	4	5	0	4



VF

3a. Add >, < or = to make these statements correct.

	8	4	2	0
x			1	1



92,620

	1	4	3	1
x			2	1



	2	3	1	2
x			1	3



VF

3b. Add >, < or = to make these statements correct.

	2	3	3	1
x			1	3



	1	0	1	2
x			2	1

99,930



	3	1	2	3
x			3	2



VF

4a. There are twenty 5ps in one pound. How many 5ps are there in £2,413?

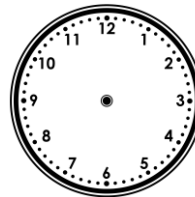


		2	4	1	3
x				2	0
<hr/>					



VF

4b. There are 1,440 minutes in a day. How many minutes are there in 3 weeks?



		1	4	4	0
x				2	1
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VF

Multiply 4-Digits by 2-Digits

Multiply 4-Digits by 2-Digits

5a. Solve the calculation using column multiplication.

$$31 \times 5,142 =$$



VF



VF

5b. Solve the calculation using column multiplication.

$$42 \times 2,307 =$$

6a. Which calculation is correct?

A.

		1	3	4	3	
x				3	2	
<hr/>						
		2	6	8	6	
		4	0	2	9	0
<hr/>						
		4	2	9	7	6

B.

		2	1	5	2	
x				2	4	
<hr/>						
		8	6	0	8	
		4	2	0	4	0
<hr/>						
		5	0	6	4	8



VF



VF

6b. Which calculation is correct?

A.

		3	2	0	3	
x				2	7	
<hr/>						
		2	2	4	2	1
		6	4	0	6	0
<hr/>						
		8	6	4	8	1

B.

		7	0	1	5	
x				1	4	
<hr/>						
		2	8	0	6	0
		7	1	1	5	0
<hr/>						
		9	9	2	1	0

7a. Add >, < or = to make these statements correct.

	3	4	1	2
x			1	4

 47,500

$60,016$

	1	9	3	6
x			3	1

$7,124 \times 19$ $2,213 \times 72$



VF



VF

7b. Add >, < or = to make these statements correct.

$6,283 \times 14$

	2	9	4	6
x			3	1

$109,683$ $8,429 \times 13$

	3	2	1	3
x			7	3

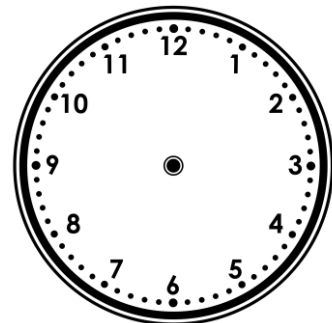
 233,960

8a. There are 2,750 tickets sold every day of a 2 week concert. How many tickets were sold altogether?



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8b. There are 3,600 seconds in one hour. How many seconds are there in 24 hours?



VF

Multiply 4-Digits by 2-Digits

Multiply 4-Digits by 2-Digits

9a. Solve the calculation using column multiplication.

Seventy-four multiplied by two thousand and eighty-six



VF



9b. Solve the calculation using column multiplication.

Four thousand, nine hundred and eighteen multiplied by forty-five

VF

10a. Which calculation is correct?

A.

			4	1	5	4
x					8	3
	1	2	4	6	2	
3	2	8	3	2	0	
3	4	0	7	8	2	

B.

			2	7	9	1
x					5	2
			5	5	8	2
1	3	9	5	5	0	
1	4	5	1	3	2	



VF



10b. Which calculation is correct?

A.

			5	0	6	3
x					7	1
			5	0	6	3
3	5	4	4	1	0	
3	5	9	4	7	3	

B.

				8	4	0	7
x						9	4
			3	3	6	2	8
7	5	4	6	3	0		
7	8	8	2	5	8		

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11a. Add >, < or = to make these statements correct.

	5	7	2	5
x			2	3



131,685

292,978



Eight thousand, six hundred and seventeen multiplied by thirty-four

6,395 x 37



4,862 x 68



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11b. Add >, < or = to make these statements correct.

Five thousand nine hundred and seventy two multiplied by sixty-three



3,848 x 73

6,952 x 59



411,268

	7	1	6	3
x			5	4



5,038 x 68

VF

12a. An apple pie factory uses six thousand, seven hundred and thirty-six apples each week. How many apples will be used in fifty-two weeks?



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12b. There are nine thousand, seven hundred and fifty tickets sold every day of a football tournament in July. How many tickets were sold altogether?



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Varied Fluency
Multiply 4-Digits by 2-Digits

Developing

1a. **66,092**

2a. **A**

3a. **=, <**

4a. **48,260**

Expected

5a. **159,402**

6a. **A**

7a. **>, =, <**

8a. **38,500 tickets**

Greater Depth

9a. **154,364**

10a. **B**

11a. **<, =, <**

12a. **350,272**

Varied Fluency
Multiply 4-Digits by 2-Digits

Developing

1b. **38,448**

2b. **B**

3b. **>, <**

4b. **30,240**

Expected

5b. **96,894**

6b. **A**

7b. **<, >, >**

8b. **86,400 seconds**

Greater Depth

9b. **221,310**

10b. **A**

11b. **>, <, >**

12b. **302,250**