

# Varied Fluency

## Step 1: Multiply 4 Digits by 1 Digit

### National Curriculum Objectives:

Mathematics Year 5: (5C7a) [Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers](#)

### Differentiation:

**Developing** Questions to support multiplying 4-digit numbers by 1-digit numbers. No use of zero as a place holder and no exchanges. Formal written method with pictorial support.

**Expected** Questions to support multiplying 4-digit numbers by 1-digit numbers. Some use of zero as a place holder and including exchanges. Formal written method with pictorial support.

**Greater Depth** Questions to support multiplying 4-digit numbers by 1-digit numbers. Use of zero as a place holder and including exchanges. Formal written method with some pictorial support.

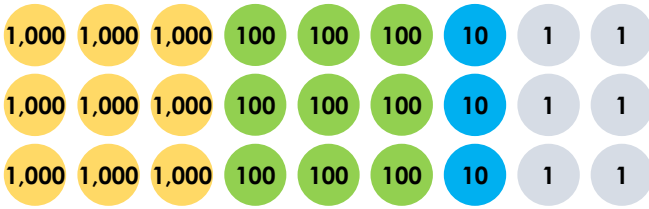
More [Year 5 Multiplication and Division](#) resources.

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# Multiply 4 Digits by 1 Digit

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1a. True or false? The answer is 9,636.



	3	3	1	2
x				3
<hr/>				



VF

1b. True or false? The answer is 2,248.



	1	1	2	4
x				2
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VF

2a. Complete the calculation 1,111 x 4.

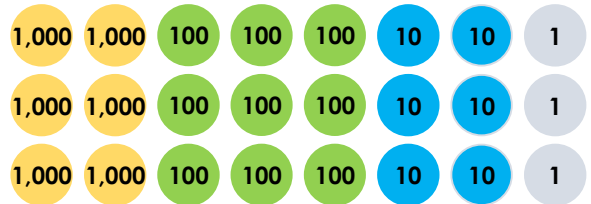


	1	1	1	1
x				4
<hr/>				



VF

2b. Complete the calculation 2,321 x 3.



	2	3	2	1
x				3
<hr/>				



VF

3a. There are 2,213 straws in a box.



x				
<hr/>				

How many will there be in 3 boxes?  
Draw a representation of the calculation to support your working out.



VF

3b. There are 4,311 counters in a bag.



x				
<hr/>				

How many will there be in 2 bags?  
Draw a representation of the calculation to support your working out.



VF

## Multiply 4 Digits by 1 Digit

4a. True or false? The answer is 12,222.



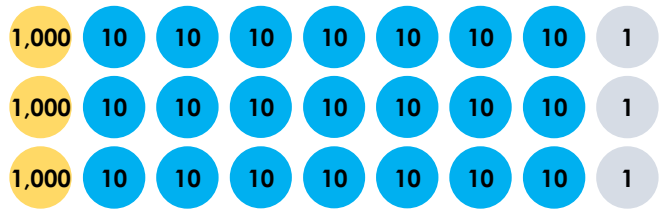
	6	1	1	1
x				2
<hr/>				
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VF

## Multiply 4 Digits by 1 Digit

4b. True or false? The answer is 3,013.



	1	0	7	1
x				3
<hr/>				
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VF

5a. Solve:  $3,572 \times 3$ . Use a formal method to show your working out.

Th	H	T	O



VF

5b. Solve:  $2,707 \times 5$ . Use a formal method to show your working out.

Th	H	T	O



VF

6a. There are 6,405 straws in a box.

Th	H	T	O

How many will there be in 4 boxes?  
Complete the chart and use a formal method.



VF

6b. There are 4,821 counters in a bag.

Th	H	T	O

How many will there be in 5 bags?  
Complete the chart and use a formal method.



VF

# Multiply 4 Digits by 1 Digit

# Multiply 4 Digits by 1 Digit

7a. True or false?  $3,472 \times 4 = 13,688$ .

Th	H	T	O

Complete the place value chart and use a formal method to help you.



VF

7b. True or false?  $4,266 \times 3 = 12,798$ .

Th	H	T	O

Complete the place value chart and use a formal method to help you.



VF

8a. Complete the calculation  $5,128 \times 5$ .

Th	H	T	O

X					

Extend the place value chart to help you calculate the answer.



VF

8b. Complete the calculation  $2,607 \times 6$ .

Th	H	T	O

X					

Extend the place value chart to help you calculate the answer.



VF

9a. There are 7,052 straws in a box.

Th	H	T	O

X					

How many will there be in 4 boxes?  
Extend and complete the place value chart to help you.



VF

9b. There are 5,310 counters in a bag.

Th	H	T	O

X					

How many will there be in 7 bags?  
Extend and complete the place value chart to help you.



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**Varied Fluency**  
**Multiply 4 Digits by 1 Digit**

**Developing**

1a. **False.**  $3,312 \times 3 = 9,936$

2a.  $1,111 \times 4 = 4,444$

3a.  $2,213 \times 3 = 6,639$

**Expected**

4a. **True**

5a.  $3,572 \times 3 = 10,716$

6a.  $6,405 \times 4 = 25,620$

**Greater Depth**

7a. **False.**  $3,472 \times 4 = 13,888$

8a.  $5,128 \times 5 = 25,640$

9a.  $7,052 \times 4 = 28,208$

**Varied Fluency**  
**Multiply 4 Digits by 1 Digit**

**Developing**

1b. **True**

2b.  $2,321 \times 3 = 6,963$

3b.  $4,311 \times 2 = 8,622$

**Expected**

4b. **False.**  $1,071 \times 3 = 3,213$

5b.  $2,707 \times 5 = 13,535$

6b.  $4,821 \times 5 = 24,105$

**Greater Depth**

7b. **True**

8b.  $2,607 \times 6 = 15,642$

9b.  $5,310 \times 7 = 37,170$