

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.

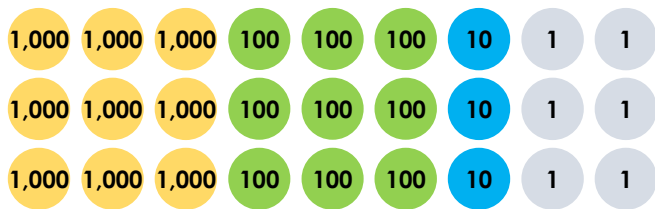
Greater Depth Questions to support multiplying 4-digit numbers by 1-digit numbers. Use of zero as a place holder and including exchanges. Formal written method with some pictorial support.

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

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

Multiply 4 Digits by 1 Digit

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



	3	3	1	2
x				3



VF

Multiply 4 Digits by 1 Digit

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



	1	1	2	4
x				2



VF

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

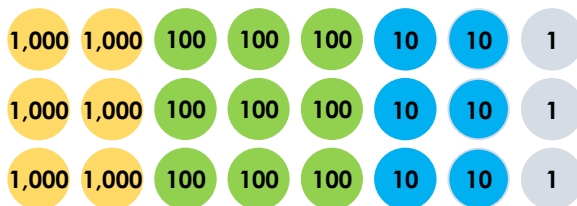


	1	1	1	1
x				4



VF

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



	2	3	2	1
x				3



VF

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



x				

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				

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.



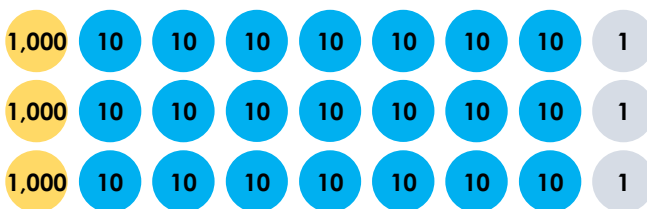
	6	1	1	1	
x				2	



VF

Multiply 4 Digits by 1 Digit

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



	1	0	7	1	
x				3	



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

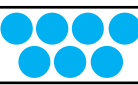
How many will there be in 5 bags?
Complete the chart and use a formal method.



VF

Multiply 4 Digits by 1 Digit

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

Th	H	T	O
			

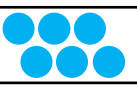
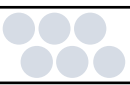
Complete the place value chart and use a formal method to help you.



VF

Multiply 4 Digits by 1 Digit

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
			

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



VF

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

Th	H	T	O
			

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

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

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



VF

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

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