

Multiply 4 Digits by 1 Digit

1. Solve the calculation below.

Th	H	T	O
● ● ●	● ● ●	● ● ●	● ●
● ● ●	● ● ●	● ● ●	● ●
● ● ●	● ● ●	● ● ●	● ●

	3	3	3	2
x				3

VF

4. Lillie believes the answer to the calculation below is 14,018.

Th	H	T	O
● ●		● ● ● ● ● ● ● ●	● ● ● ● ●
● ●		● ● ● ● ● ● ● ●	● ● ● ● ●
● ●		● ● ● ● ● ● ● ●	● ● ● ● ●
● ●		● ● ● ● ● ● ● ●	● ● ● ● ●
● ●		● ● ● ● ● ● ● ●	● ● ● ● ●
● ●		● ● ● ● ● ● ● ●	● ● ● ● ●
● ●		● ● ● ● ● ● ● ●	● ● ● ● ●

Complete the calculation using a formal method to identify and explain her mistake(s).

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2. Match the calculation shown below to the correct answer. Use a formal method to check your working out.

Th	H	T	O
● ● ●		● ●	● ● ● ● ●
● ● ●		● ●	● ● ● ● ●
● ● ●		● ●	● ● ● ● ●

A. 9,062

B. 9,081

C. 9,072

VF

5. Use the calculations below to complete the comparison statement.

x < x

5,316 x 4

3,397 x 6

5,161 x 4

4,132 x 5

6,437 x 3

3,201 x 7

Find 3 possibilities. You may only use each calculation once.

PS

3. There are 4,326 sequins in a jar. How many sequins are there in 7 jars?

Th	H	T	O
● ● ● ●	● ● ●	● ●	● ● ● ● ●

Complete the chart and use a formal method to find the product.

VF

6. Identify the missing digits in the calculation below.

	6	<input type="text"/>	3	1
x				<input type="text"/>
<input type="text"/>	<input type="text"/>	4	<input type="text"/>	8
	3	2		

PS

Multiply 4 Digits by 1 Digit

1. 9,996
2. C
3. $4,326 \times 7 = 30,282$
4. Lillie is incorrect because she has not included the 5 that is exchanged in the hundreds column in her answer. The correct answer should be 14,518.
5. Various answers, for example:
 $5,161 \times 4 < 4,132 \times 5$; $3,397 \times 6 < 5,316 \times 4$; $6,437 \times 3 < 3,201 \times 7$
 $6,437 \times 3 < 4,132 \times 5$; $3,397 \times 6 < 5,316 \times 4$; $5,161 \times 4 < 3,201 \times 7$
- 6.

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