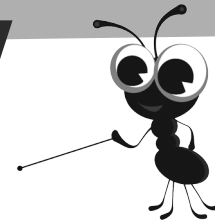


Name: \_\_\_\_\_ Date: \_\_\_\_\_

# HTO x O using the formal written method



Use the formal written method to calculate HTO x O

Challenge

1

Write the two multiples of 100 that each number comes between. Circle the multiple of 100 the number is closest to. The first one has been done for you.

600	623	700		981	
	768			555	
	834			917	

Challenge

2

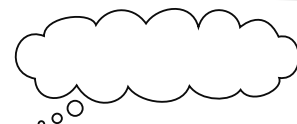
1 Estimate the answer to each calculation.

**Example**  $473 \times 7 \rightarrow 500 \times 7 = 3500$

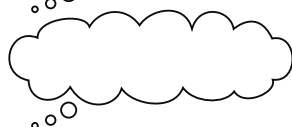
a  $465 \times 4 \rightarrow$



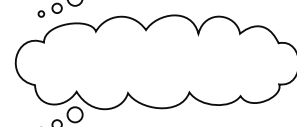
b  $387 \times 9 \rightarrow$



c  $976 \times 5 \rightarrow$



d  $768 \times 6 \rightarrow$



2 Work out the answers to the calculations in Question 1 using the formal written method. Check your estimate is close to your answer.

**Example**

	Th	H	T	O
		4	7	3
x	5	2	7	
	3	3	1	1

<p><b>a</b> <math>465 \times 4</math></p> <table border="1"> <thead> <tr> <th></th> <th>Th</th> <th>H</th> <th>T</th> <th>O</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>x</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Th	H	T	O						x										<p><b>b</b> <math>387 \times 9</math></p> <table border="1"> <thead> <tr> <th></th> <th>Th</th> <th>H</th> <th>T</th> <th>O</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>x</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Th	H	T	O						x										<p><b>c</b> <math>976 \times 5</math></p> <table border="1"> <thead> <tr> <th></th> <th>Th</th> <th>H</th> <th>T</th> <th>O</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>x</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Th	H	T	O						x										<p><b>d</b> <math>768 \times 6</math></p> <table border="1"> <thead> <tr> <th></th> <th>Th</th> <th>H</th> <th>T</th> <th>O</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>x</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Th	H	T	O						x									
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Challenge

3

Choose two calculations from Challenge 2. On the back of this sheet write a word problem for someone at home to solve.



Choose two of the calculations above. Explain to an adult how to work out these calculations using the formal written method of multiplication.