

1 Complete the multiplication.

			1	2	3	4	
	×				2	1	
			1	2	3	4	
			2	4	6	8	0

$(1,234 \times \square)$

$(1,234 \times \square)$

2 Tommy is calculating  $1,234 \times 26$

a) Complete his working out.

			1	2	3	4	
	×				2	6	
			7 <sub>1</sub>	4 <sub>2</sub>	0 <sub>2</sub>	4	
			2	4	6	8	0

$(\square \times \square)$

$(\square \times \square)$

b) Fill in the grid to check Tommy's working is accurate. You may use place value counters to help.

×	1,000	200	30	4
20				
6				

3 Rosie is calculating  $2,541 \times 42$

Here is Rosie's working.

	2	5	4	1	
×			4	2	
<hr/>					
	4	0	8	2	(2,541 × 2)
	8	0	6	4	(2,541 × 40)
<hr/>					
	1	2	1	4	6
<hr/>					

a) Rosie has made two mistakes. What are they?

b) What is the correct answer?

4 Work out the multiplications.

a)  $4,284 \times 23$

b)  $2,142 \times 46$

What do you notice?

5 A machine makes 2,734 boxes every hour.

The machine works for 3 hours each day.

a) How many boxes will it make in 12 days?

b) Compare methods with a partner. Were there any other ways you could have worked out the answer?

6 Work out  $378 \times 7 \times 12$

Show your method clearly.



- 3** Rosie is calculating  $2,541 \times 42$   
Here is Rosie's working.

2 5 4 1	
×        4 2	
4 <sub>1</sub> 0 8 2	(2,541 × 2)
8 <sub>2</sub> 0 <sub>1</sub> 6 4	(2,541 × 40)
1 <sub>1</sub> 2 1 <sub>1</sub> 4 6	

- a) Rosie has made two mistakes. What are they?  
b) What is the correct answer?

- 4** Work out the multiplications.

- a)  $4,284 \times 23$                       b)  $2,142 \times 46$

What do you notice?



- 5** A machine makes 2,734 boxes every hour.  
The machine works for 3 hours each day.

- a) How many boxes will it make in 12 days?  
b) Compare methods with a partner. Were there any other ways you could have worked out the answer?



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Show your method clearly.

**7**

1	2	3	4	5	6
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×			

- a) Using all the digit cards, create 4 different calculations and work out the answer to each.  
b) Write your answers in ascending order.  
c) What is the smallest product that can be made?



- 8** Amir scores 4,680 points in a computer game for 12 games in a row.

Whitney scores 2,512 points every game for 24 games.

Who scores more points?

How many more?

