Multiply 4-digits by 2-digits



1 Complete the multiplication.

			1			
	2	5	9	- 1	4	
	2	4	6	8	0	
		1	2	3	4	
×				2	1	
		1	2	3	4	

- 2 Tommy is calculating 1,234 × 26
 - a) Complete his working out.

		1	2	3	4	
×				2	6	
		7,	42	02	4	
	2	4	6	8	0	
	3	2	0	90	4	
	-1	(

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

×	× 1,000		30	4	
20	20,600	4,000	600	80	
6	6,000	1,200	180	24	



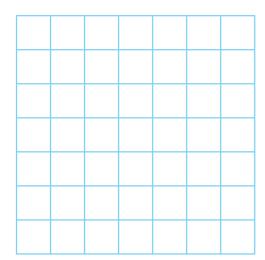
Rosie is calculating 2,541 × 42
Here is Rosie's working.

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

She hasn't correctly exchanged.

She has multiplied by 4 not 40

b) What is the correct answer?



106,722

4 Work out the multiplications.

a)
$$4,284 \times 23$$

	4	2	8	4			2	١	4	2			
X			2	3		X			Ч	6			
1	2	28	ຸຣ	2]	2	8	5	2			
8		6				8	5	6	ક				
9	8	5	3	2		9	8	5	3	2	,		
	1	1					١	1					

What do you notice?



A machine makes 2,734 boxes every hour.

The machine works for 3 hours each day.

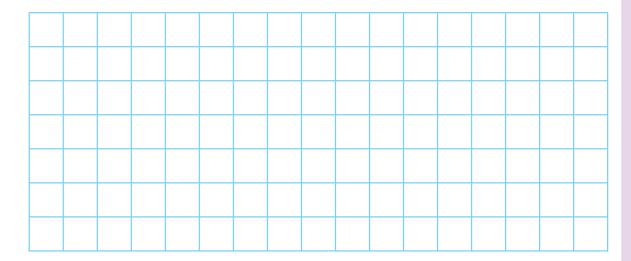
a) How many boxes will it make in 12 days?

98,424

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



Work out $378 \times 7 \times 12$ Show your method clearly.



31,752

7	1 2 3 4 5 6		
		×	
	a) Using all the digit cards, create 4 d	ifferent	calculations and work

out the answer to each.

Various answers.

- **b)** Write your answers in ascending order.
- c) What is the smallest product that can be made?

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?

Amur: 56,160

Whitney: 60,288

How many more?

4,128

