Multiply a 4-digit number by a 2-digit number
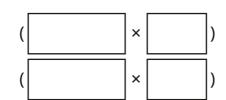
1 Complete the multiplication.

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

$(1{,}234 \times \boxed{})$

$(1{,}234 \times \boxed{})$

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

a) Complete his workings.

		1	2	3	4
	×			2	6
		7$_1$	4$_2$	0$_2$	4
	2	4	6	8	0

$(\boxed{} \times \boxed{})$

$(\boxed{} \times \boxed{})$

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

×	1,000	200	30	4
20				
6				

3 Tiny is calculating $2{,}541 \times 42$

Here are Tiny's workings.

	2	5	4	1	
×			4	2	
	4$_1$	0	8	2	$(2{,}541 \times 2)$
	8$_2$	0$_1$	6	4	$(2{,}541 \times 40)$
1$_1$	2	1$_1$	4	6	

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

b) What is the correct answer?

4 Work out the multiplications.

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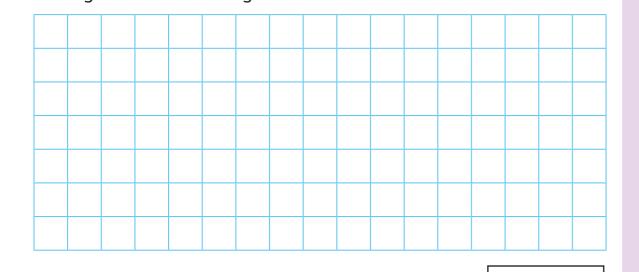
b) $2{,}142 \times 46$

What do you notice?

5 A machine makes 2,734 boxes every hour.

The machine works for 3 hours each day.

How many boxes will it make in 12 days?

☐

Compare methods with a partner.

6 Work out 378 × 7 × 12

Show your method clearly.

☐

Compare methods with a partner.

7

| 1 | 2 | 3 | 4 | 5 | 6 |

☐ ☐ ☐ ☐
× ☐ ☐

a) Using all the digit cards, create four different calculations and work out the answer to each.

b) Write your answers in ascending order.

_____

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?

Show your workings.

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