

## Multiply 4-digits by 2-digits

### Reasoning and Problem Solving

#### True or False?

- $5,463 \times 18 = 18 \times 5,463$
- I can find the answer to  $1,100 \times 28$  by calculating  $1,100 \times 30$  and subtracting 2 lots of 1,100
- $702 \times 9 = 701 \times 10$

2 3 4 5 7 8

Place the digits in the boxes to make the largest product.

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## Multiply 3-digits by 2-digits

### Reasoning and Problem Solving

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$$22 \times 111 = 2442$$

$$23 \times 111 = 2553$$

$$24 \times 111 = 2664$$

What do you think the answer to  $25 \times 111$  will be?

What do you notice?

Does this always work?

Pencils come in boxes of 64  
A school bought 270 boxes.  
Rulers come in packs of 46  
A school bought 720 packs.  
How many more rulers were ordered than pencils?



Here are examples of Dexter's maths work.

			9	8	7						
×				7	6						
		5	5	4	2	2					
		6	9	6	4	0	9				
	1	2	8	3	1						

			3	2	4						
×				7	8						
		2	1	5	9	2					
	2	1	2	6	8	0					
		3	2	7	2						

He has made a mistake in each question.

Can you spot it and explain why it's wrong?

Correct each calculation.

