

Try It

$$128 \times 45 = 5760$$

$$371 \times 43 = 15,953$$

$$262 \times 34 = 8908$$

$$122 \times 86 = 10,492$$

$$432 \times 19 = 8208$$

$$382 \times 34 = 12,988$$

Use it

1) Jon has 236 boxes of apples, each box contains 12 apples. How many does he have altogether? **2832 apples**

2) Laura sells 815 cups of orange juice, each cup contains 33ml of drink. How much orange juice does she sell altogether? **26,895ml**

3)

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?



15,840



Prove it

1)

$$22 \times 111 = 2442$$

$$23 \times 111 = 2553$$

$$24 \times 111 = 2664$$

What do you think the answer to 25×111 will be?

What do you notice?

Does this always work?

The pattern stops at up to 28×111 because exchanges need to take place in the addition step.

2)

Here are examples of Dexter's maths work.

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

						3	2	4											
x						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.

In his first calculation, Dexter has forgotten to use a zero when multiplying by 7 tens. It should have been $987 \times 76 = 75,012$

In the second calculation, Dexter has not included his final exchanges. $324 \times 8 = 2,592$
 $324 \times 70 = 22,680$
The final answer should have been 25,272