



## Try it

1) Complete these calculations.

a)

		3	2
	×	4	3
<hr/>			
		9	6
1	2	8	0
<hr/>			
1	3	7	6

(32 × 3)

32 × 40

1

b)

		5	4
	×	2	7
<hr/>			
	3	7	8
1	0	8	0
<hr/>			
1	4	5	8

(54 × 7)

(54 × 20)

1

Use the formal written method to calculate these

2.  $45 \times 13 = 585$

5.  $51 \times 24 = 1224$

3.  $26 \times 42 = 1092$

6.  $65 \times 23 = 1495$

4.  $51 \times 29 = 1479$

7.  $93 \times 53 = 4929$

## Use it

1. A school kitchen uses 53 bags of potatoes every week. How many bags do they use in 12 weeks? **636 bags of potatoes**
2. A bath holds 48 litres of water. How many litres does it take to fill 32 baths? **1536 litres of water**
3. In the library there are 63 book shelves. Each shelf holds 34 books. How many books are there in total? **2142 books**
4. There are 35 biscuits in each packet. How many 8 year olds could each have a biscuit if there were 24 packets? **840 8 year olds**

5. Amir has multiplied 47 by 36



		4	7
x		3	6
	2	8	2
	1	4	1
	3	2	3

Alex says,



Amir is wrong because the answer should be 1,692 not 323

Who is correct?

What mistake has been made?

Alex is correct. Amir has forgotten to use zero as a place holder when multiplying by 3 tens.

## Prove it

Tommy says,



It is not possible to make 999 by multiplying two 2-digit numbers.

Do you agree?  
Explain your answer.

To solve this you will need to use trial and error and a systematic approach.

Tommy is wrong because  $27 \times 37$  is equal to 999

