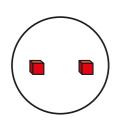
Related calculations

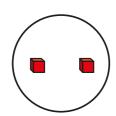


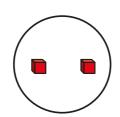
Complete the number sentences.



a)

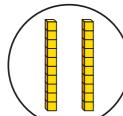


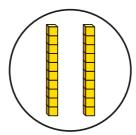


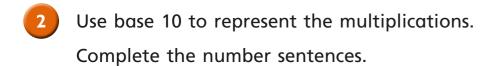


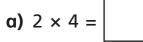
b)











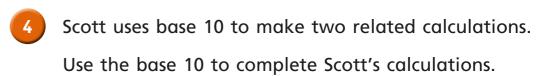
Nijah makes these arrays.





Complete the number sentences.

What is the same about the arrays? What is different?

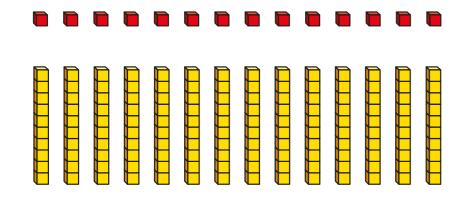




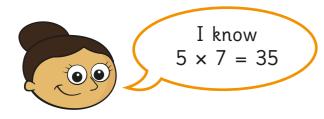
How does the answer to the first calculation help you work out the second calculation?



Use these pieces of base 10 to complete the divisions.



6



Use Dora's fact to complete the calculations.

7 Mr Jones buys 12 large jugs.

The total cost of the jugs is £240

Each jug costs

How did you work this out?

How much does each jug cost?



8 Complete the number sentences.

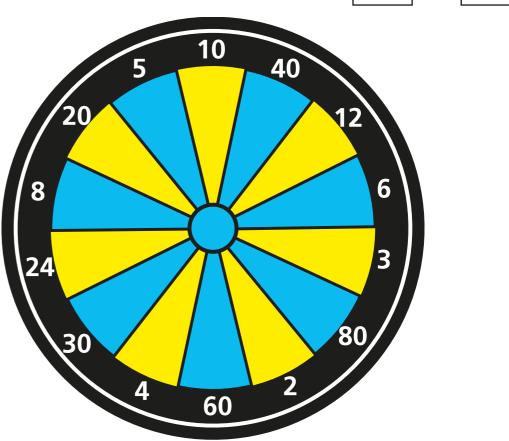
9 Huan throws two darts at the dartboard.

He multiplies the numbers he hits together.

Huan's score is 240

What two numbers could the darts have landed in?





How many different answers can you find?





Multiply 2-digits by 1-digit (1)

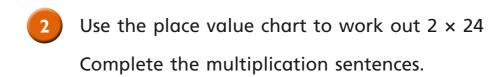


Ron, Eva and Mo each have 23 marbles.

Tens	Ones	
100 100		
100 100		
100 100		

How many marbles are there in total?

There are marbles in total.





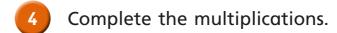


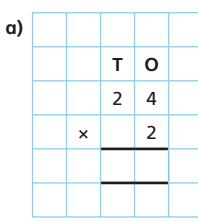
Tens	Ones
10 10 10 10	
10 10 10 10	1 1 1

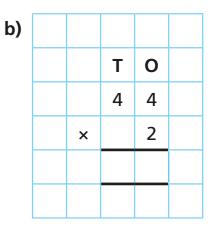
	T	0	
	4	3	
×		2	
	8	6	

Talk about Annie's methods with a partner.

What is the same? What is different?





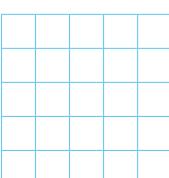




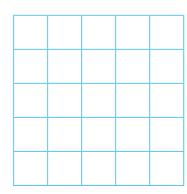




c) 31 × 3



d) 42 × 2



Compare answers with a partner.

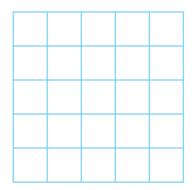
Jack is trying to work out 34×2 using the column method.



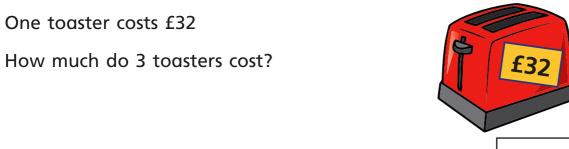
I'm not sure what to do.

		2	
×	3	4	

Show how Jack could improve his column method and work out the answer.



One toaster costs £32



Whitney has multiplied a 2-digit number by a 1-digit number.



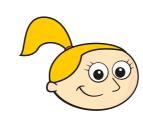
I had to do 30 + 9 = 39 to get my answer.

What numbers is Whitney multiplying?

Fill in the missing digits.

	×			
		3	9	

Filip used the column method to work out 41×2



I can work this multiplication out in my head.

		4	1	
	×		2	

- a) How do you think Eva will work this out in her head?
- **b)** Tick the multiplications that you can work out in your head.

Multiply 2-digits by 1-digit (2)



There are 23 marbles in a jar.
There are 5 jars.



Tens	Ones		

How many marbles are there in total?

There are marbles in total.

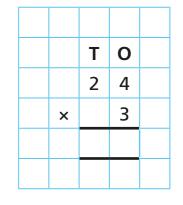
2 Work out 4 × 15

Tens	Ones	
10		
10		
10		
10		

3 Complete the multiplications.

Complete the column multiplications.

Tens	Ones
10 10	
10 10	
10 10	







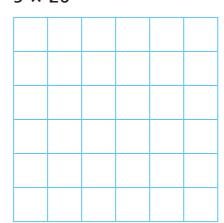
Tens	Ones
10 10 10	
10 10 10	
10 10 10	
10 10 10	

	Т	0	
	3	5	
×		4	

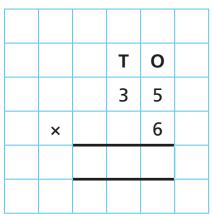
- Work out the multiplications.
 - a) 25×5

	T	0	
	2	5	
×		5	

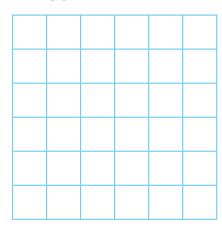
c) 5 × 26



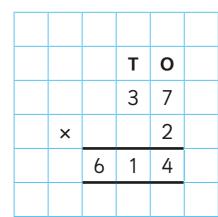
b) 35 × 6

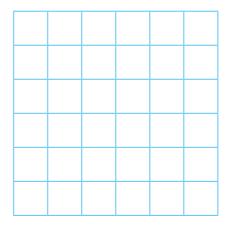


d) 4 × 36



Tommy works out 37×2

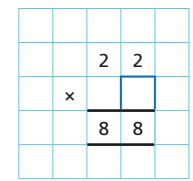




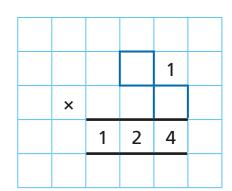
What mistake has Tommy made? Work out the correct answer.



Find the missing numbers.



and work out the answer.



Here are some digit cards.

3

4

5 8

a) Use the digit cards to create a multiplication

2

- **b)** Work with a partner to find calculations that have:
 - an odd product
 - an even product
 - an exchange in the ones column
 - an exchange in the ones and tens columns.





