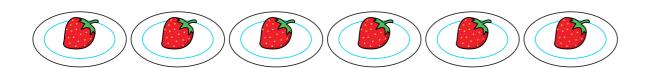
Multiply by 1 and 0



Write a multiplication to work out the total number of strawberries.

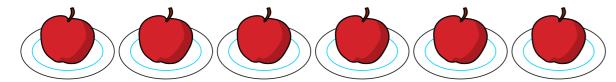






- a) How many flowers are in each vase?
- **b)** How many flowers are there in total? Complete the calculation.

Circle the calculation that works out the number of apples.



6 × 0



6 × 2

How many marbles are there in total?



5 Complete the calculations.

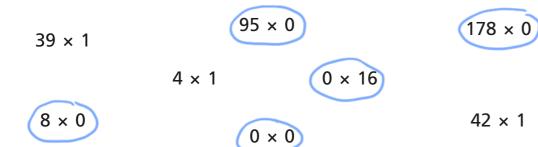
a)
$$3 \times 1 = \boxed{3}$$

What could the missing number be?

Explain how you know.

Anything. Any number multiplied by 0 is equal to 0



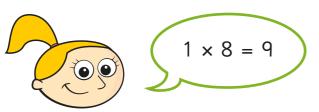


b) How did you work out which calculations to circle?

There was a 0 in the calculation.

8 Eva and Mo are working out some multiplication problems.

a)



What mistake has Eva made?

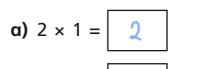
She has added I and 8

b)

What mistake has Mo made?

He has multiplied 12 by 1 not O

Talk about your answers with a partner.



Work out these multiplications.

What pattern do you notice in each part?

Talk about it with a partner.



Eva and Dexter have 6 digit cards.

They multiply them all together.





I knew the answer without multiplying the numbers one by one.



What could Dexter's method be?

Talk about it with a partner.





Divide by 1 and itself



Annie has 5 cookies and some plates.











She wants to put 1 cookie on each plate.

a) How many plates will she need?



b) Complete the calculation.

2 Annie has 5 more cookies.





















She has 5 friends.

She shares the cookies equally between her 5 friends.

a) How many cookies does each child get?



b) Complete the calculation.

a) Complete the calculations.

b) What do you notice about multiplying and dividing by 1?

You get the same answer.

c) Use what you have noticed to complete these calculations.

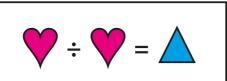
Tick all the cards that have an answer of 1

How do you know if a division has an answer of 1?



- Write >, < or = to compare the calculations.
- d) 13 ÷ 1 (>)
- **b)** 24×1 (=) $24 \div 1$ **e)** $8 \div 8$ (=) $9 \div 9$
- f) $10 \div 1 (>) 10 \div 10$
- Work out these calculations.
 - a) $8 \div 4 \div 1 =$
 - **b)** 25 ÷ 1 ÷ 5 =
 - c) $9 \times 4 \div 1 = 36$
 - d) $12 \div 1 \times 4 = 48$





Complete this calculation.

How did you work this out?

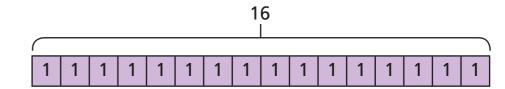


She wants to give them out to children in her class.

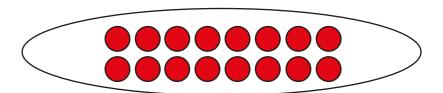
Each child will get 1 invitation each.

What mistake has Rosie made?





16 grouped into

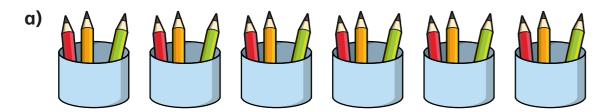




Multiply by 3



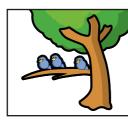
Complete the sentences.

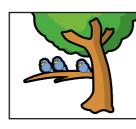


There are $\boxed{6}$ equal groups of $\boxed{3}$

b)









There are $\frac{1}{4}$ equal groups of $\frac{3}{3}$

c)



There are $\boxed{7}$ equal groups of $\boxed{3}$

Could you write the number sentences in a different way?

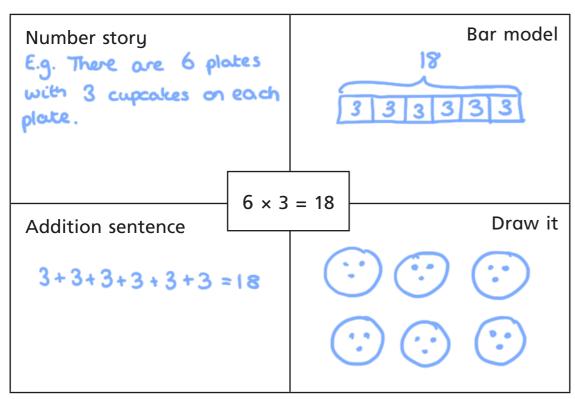


Write two multiplication sentences for each part of the question.

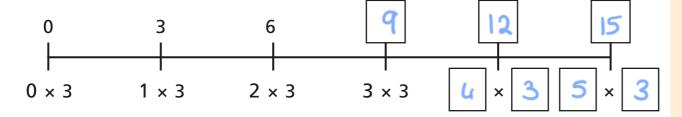
a)



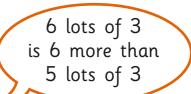
Complete the diagram.



Complete the number line.







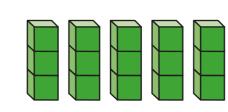
Do you agree with Dora? No Explain why.

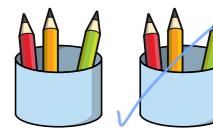
$$6 \times 3 = 3 + 3 + 3 + 3 + 3 + 3$$

$$5 \times 3 = 3 + 3 + 3 + 3 + 3 + 3$$
 so its 3 more.

Which is the odd one out?

Tick your answer.











Explain your answer.

3×5

It shows 2×3, the others show 5×3 or

Is there more than one answer?

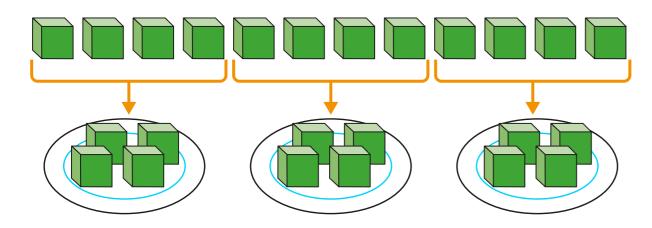




Divide by 3







Complete the sentences.

There are 12 cubes.

There are 3 plates.

Each plate has 4 cubes.

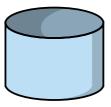
12 divided into 3 equal groups is 4

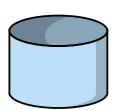


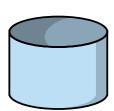
Mo has 15 pencils.

He shares them equally into 3 pots.



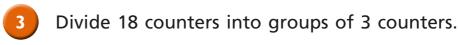




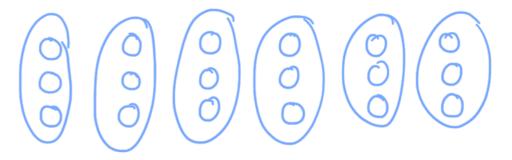


How many pencils will there be in each pot?

There will be 5 pencils in each pot.



Draw a picture to show what this would look like.

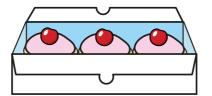


How many groups did you draw?





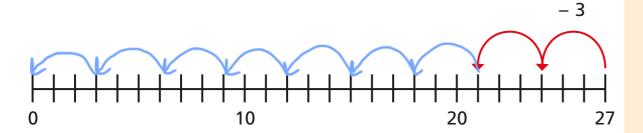
There are 27 cakes.



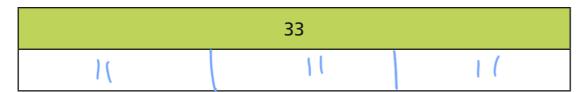
A box can hold 3 cakes.

How many boxes of 3 cakes can be filled?

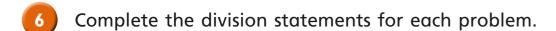
Use the number line to help you.

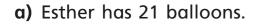


- boxes of 3 cakes can be filled.
- Complete the bar model for the division $33 \div 3 = 11$



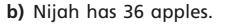
Is there more than one way to do this?





She puts them into 3 party bags.

How many balloons are in each party bag?

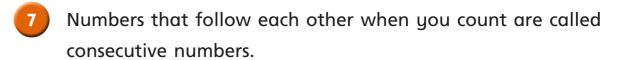


In each box there are 3 apples.

How many boxes are there?

c) 24 children stand in groups of 3

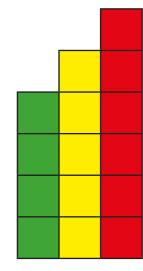
How many groups are there?





Three consecutive numbers can form a staircase.

Here is 4, 5 and 6



When you add three consecutive numbers, the total can always be divided equally by 3

Is this statement correct?

Talk about it with a partner.



