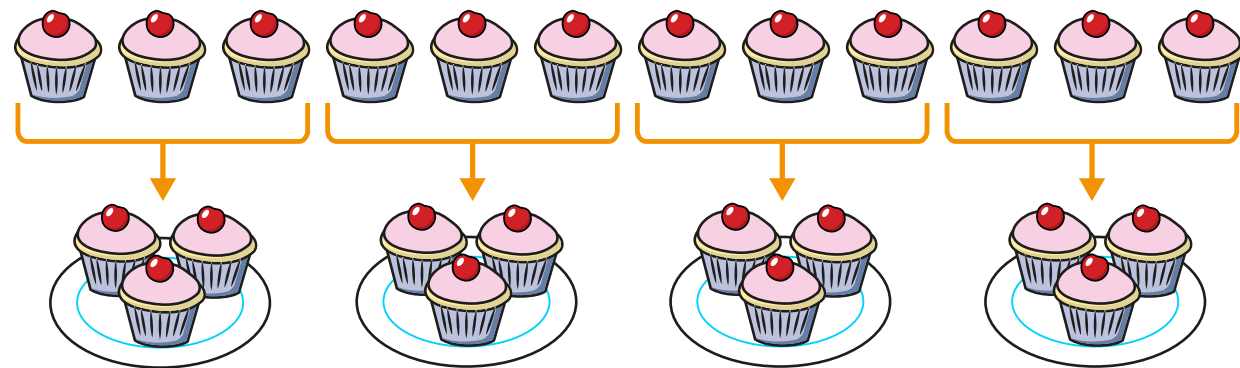


Divide by 4



1 Here are 12 cakes.



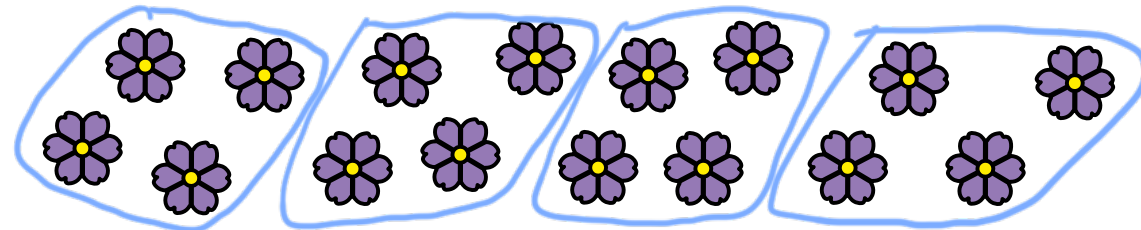
Complete the sentences.

There are plates.

Each plate has cakes.

12 shared into equal groups is

2 Circle groups of 4 flowers.

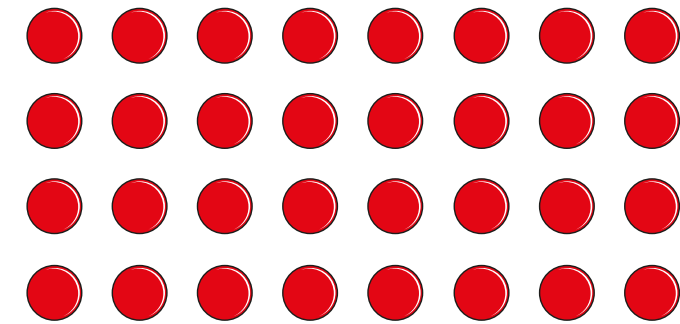


a) How many groups of 4 flowers did you make?

b) Complete the sentence.

There are groups of 4 in 16

3 Eva makes an array with 32 counters.



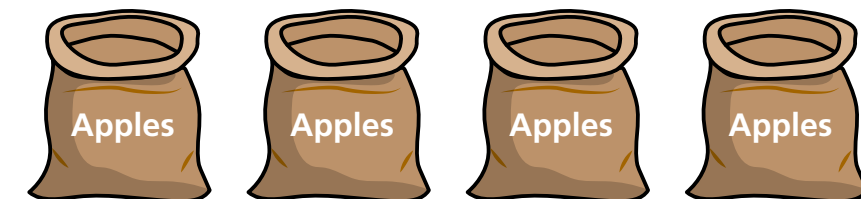
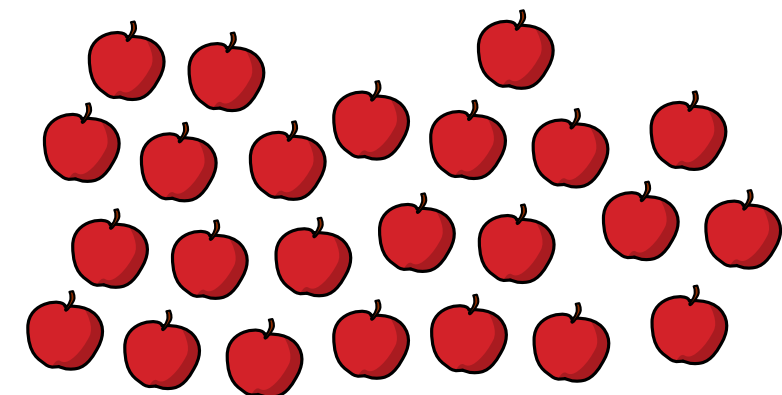
a) How many groups of 4 are in the array?

b) Use this to complete the division sentence.

$$32 \div 4 = \boxed{8}$$

4 A farmer has 24 apples.

He wants to pack the apples equally into 4 bags.

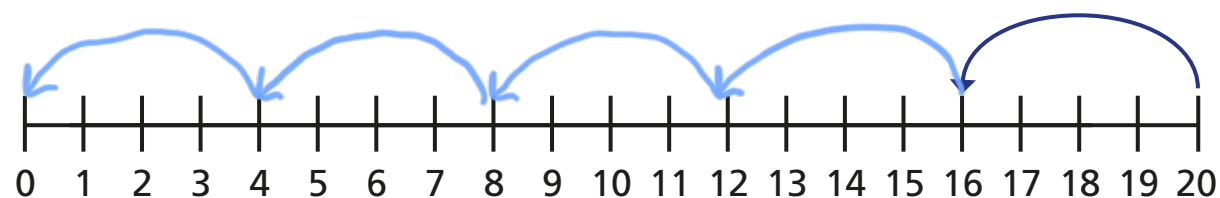


How many apples will be in each bag?

$$\boxed{24} \div \boxed{4} = \boxed{6}$$

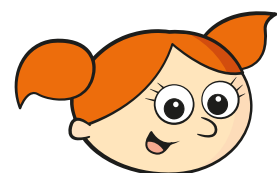
There will be apples in each bag.

- 5 There are 20 muffins.
4 muffins fit in 1 box.
Use the number line to work out how many boxes can be filled.



5 boxes of muffins can be filled.

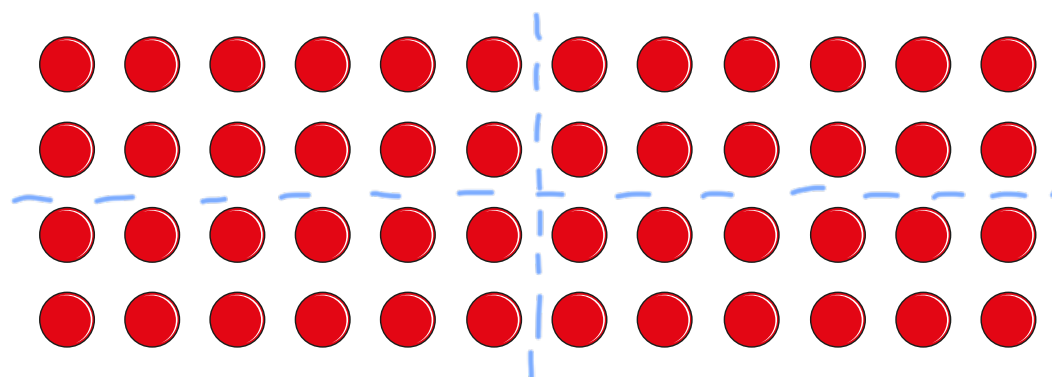
- 6 Alex is trying to divide 48 by 4



To multiply by 4, you can double the number and double again.

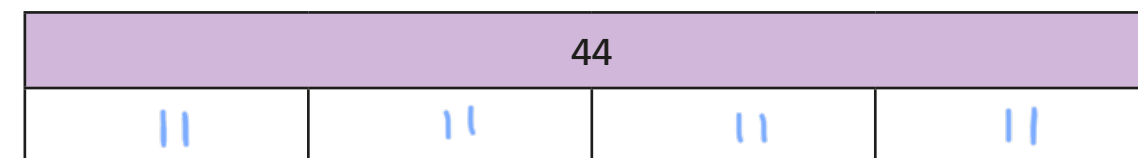
To divide a number by 4, I think you can halve the number and halve it again.

Divide the array to show that Alex's method works.



Does Alex's method always work?

- 7 Complete the bar model.



Complete the division statement to match the bar model.

$$44 \div \boxed{4} = \boxed{11}$$

- 8 Mo is working out whether numbers divide equally by both 2 and 4

Complete the table and continue the pattern.

The first one has been done for you.

Number	Divided equally by 2 is . . .	Divided equally by 4 is . . .
2	1	does not divide equally
4	2	1
6	3	does not divide equally
8	4	2
10	5	does not divide equally
12	6	3
14	7	does not divide equally
16	8	4

What do you notice?

Various answers.

