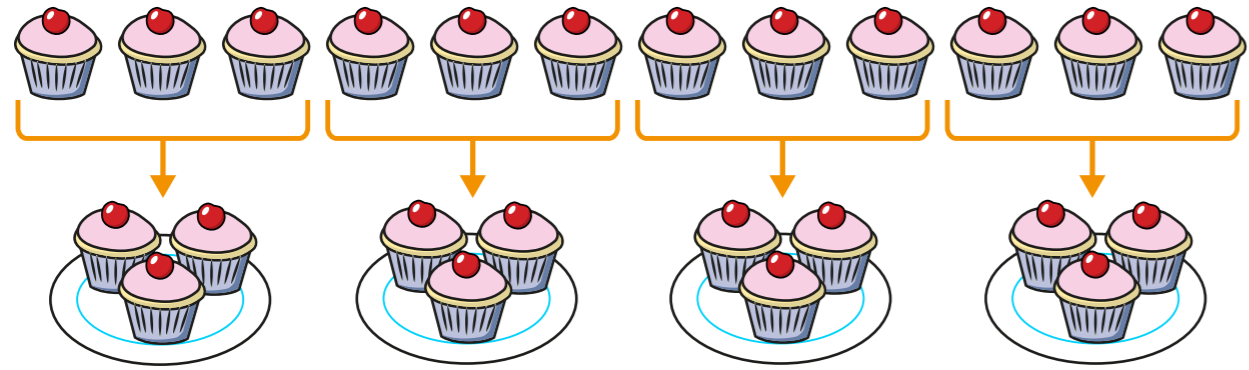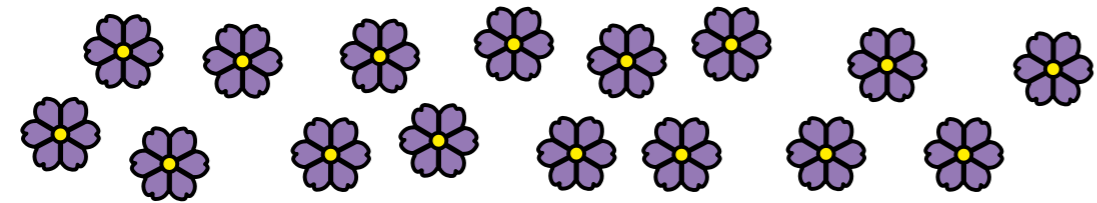# Divide by 4

1 Here are 12 cakes.

Complete the sentences.

There are ☐ plates.

Each plate has ☐ cakes.

12 shared into ☐ equal groups is ☐

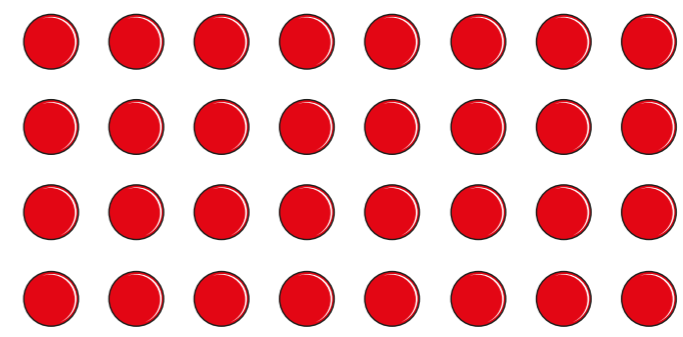**2** Circle groups of 4 flowers.

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

b) Complete the sentence.

There are ☐ groups of 4 in 16
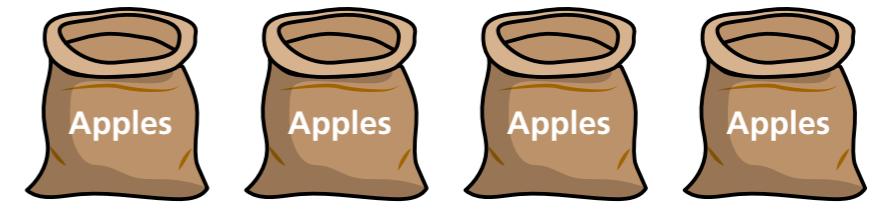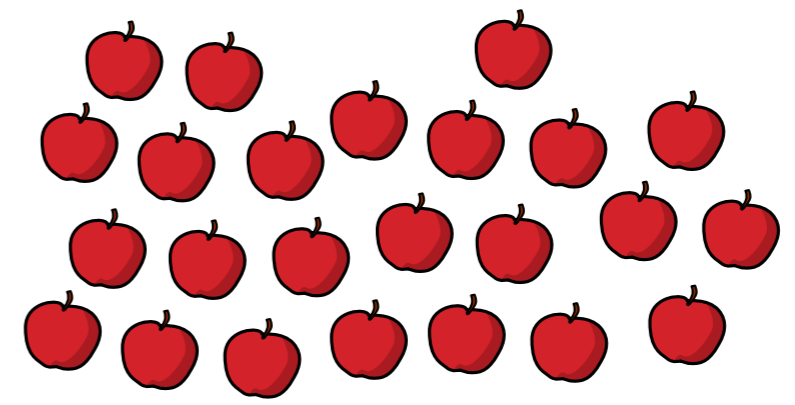
3 Eva makes an array with 32 counters.

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

b) Use this to complete the division sentence.

$32 \div 4 = $ ☐

4 A farmer has 24 apples.
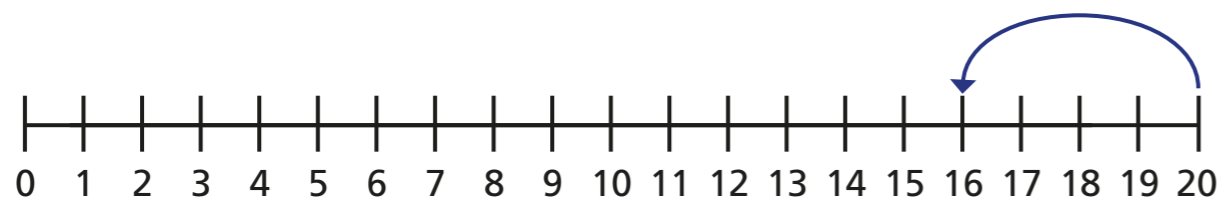
He wants to pack the apples equally into 4 bags.

How many apples will be in each bag?
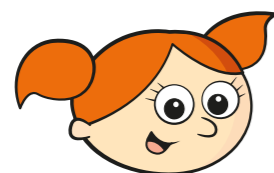
☐ $\div$ ☐ = ☐

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.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
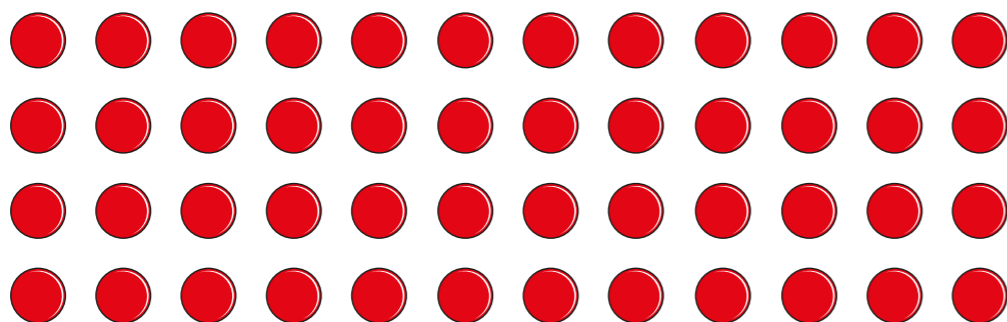
☐ boxes of muffins can be filled.

6 Alex is trying to divide 48 by 4

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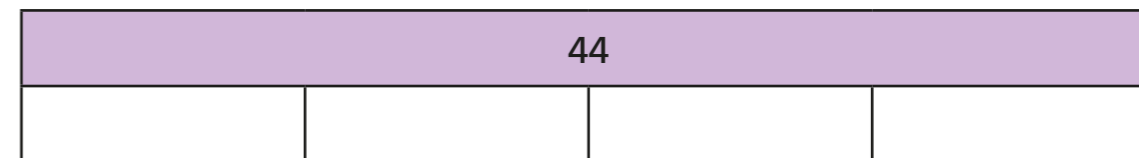
To divide a number by 4, I think you can halve the number and halve it again.

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

Does Alex's method always work?

7 Complete the bar model.

44

Complete the division statement to match the bar model.

44 ÷ ☐ = ☐

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		
6		
8		
10		
12		

What do you notice?

_____

_____