Thursday 21ˢᵗ January 2021

L.O: I am getting better at making equal groups by grouping.
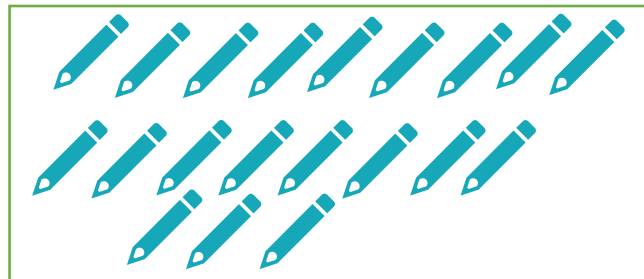
Today we will be continuing with making equal groups by grouping.
We will be focusing on dividing by making equal groups.
The link between division, multiplication and repeated addition will be noticeable in this stage.

Example:

Pencils come in packs of 20.
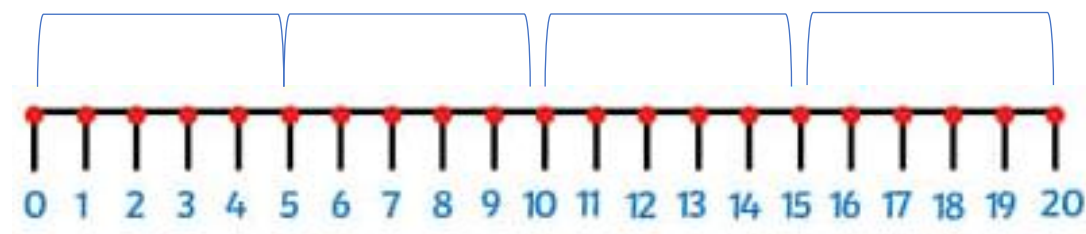We need to put 5 in each pot.
How many pots will we need?

There are 20 pencils altogether.

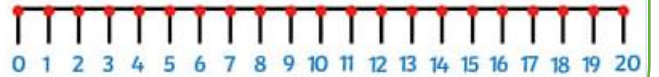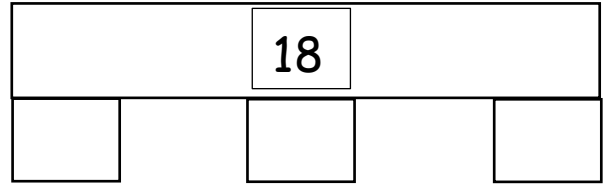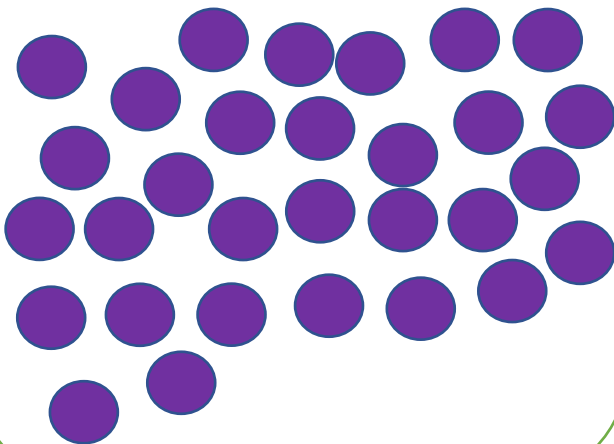There are 5 pencils in each pot.

There are 4 pots.

$20 ÷ 5 = 4$

Mrs Green has 18 sweets.

She puts 3 sweets in each bag.

How many bags can she fill?

$18 \div \rule{2cm}{0.4pt} = 3$

$18 \div 3 = \rule{2cm}{0.4pt}$

18

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

How many different ways can you put 30 counters into equal groups?
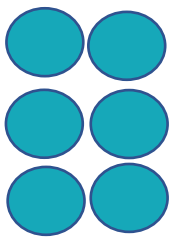
_____ groups of _____

Edward has 16 counters.

How many groups can he make?
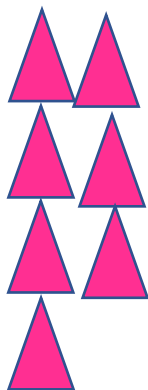
Please write your sentence using the division symbol.

You can use a number line or a bar model to help.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

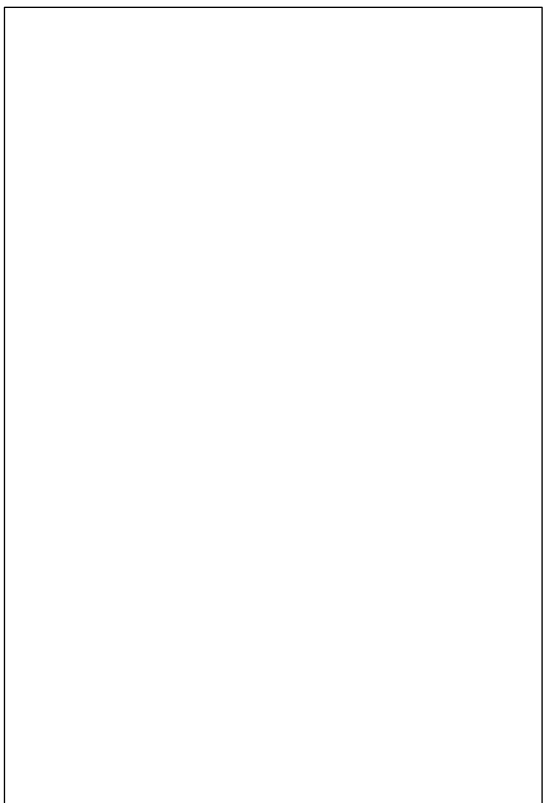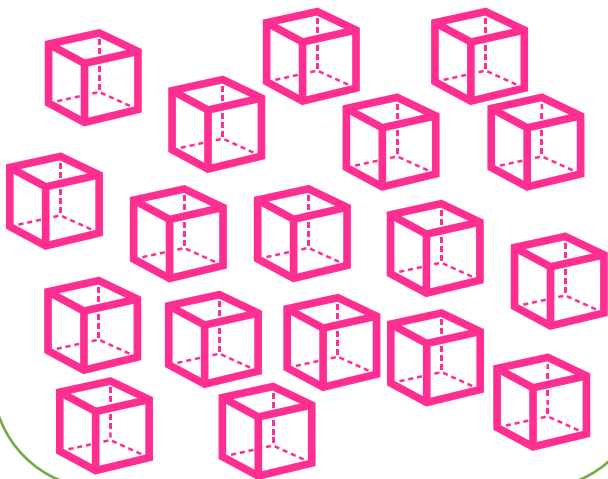Which of these numbers can be made into 2 equal groups?

6

7

Can you show me your working?

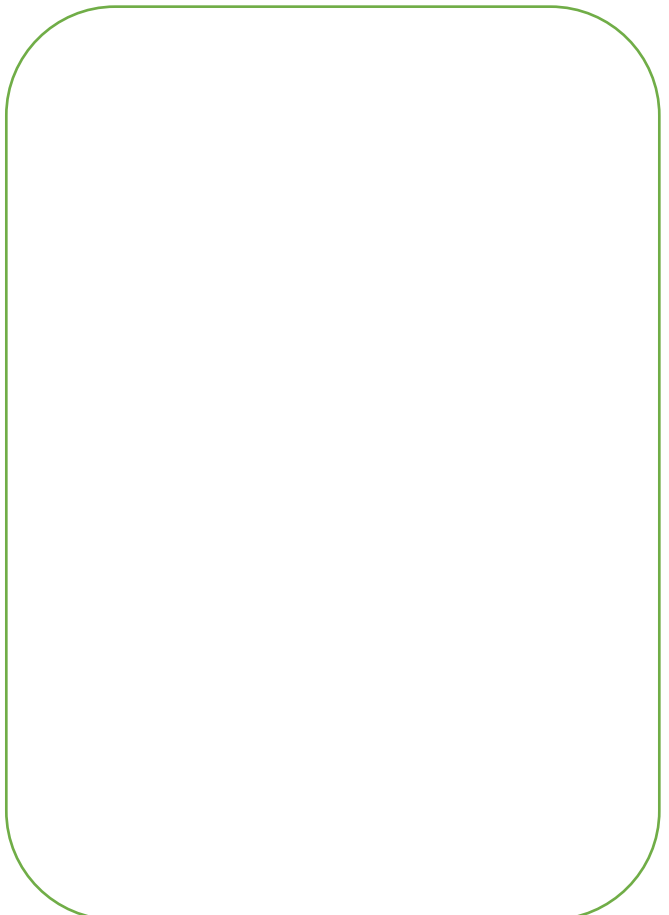Can you sort 18 cubes into equal groups of 9?

How many groups are there?

Can you tell me who is correct and why?

12 in equal groups of 6 makes 3 groups.

12 in equal groups of 4 makes 3 groups.

Extension

Doughnuts are sold in a box of 10.
2 doughnuts are given to each person. How many people can be fed?

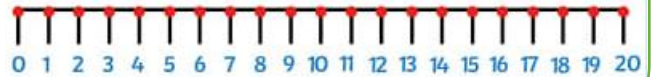Use a number line to calculate how many groups of 5 can be made from 20.

There are _____ doughnuts.

There are _____ doughnuts for each person.

The box will feed _____ people.

___ ÷ ___ = _____

___ ÷ ___ = _____

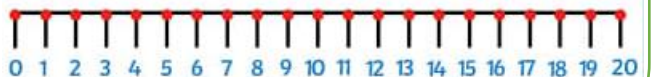0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Bob uses a number line to work out how many equal groups of 2 he can make from 12.
How many equal groups can you make from 12?

There are _____ equal groups of 2.

_____ ÷ _____ = _____

_____ ÷ _____ = _____

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Can you use a number line to work out how many equal groups of 5 you can make from 30?

There are _____ equal groups of 5.

_____ ÷ _____ = _____

_____ ÷ _____ = _____

Can you find the picture that matches the calculation?

10 ÷ 5
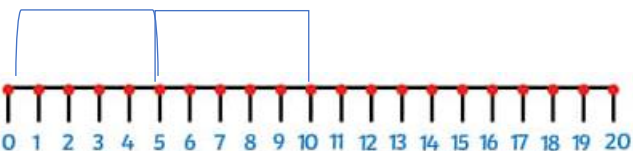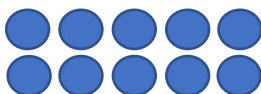
Can you solve the division sentences?

$22 \div 2 =$ _____

$30 \div$ _____ $= 6$

_____ $\div$ _____ $= 4$