Tuesday 19th January 2021

L.O: I am getting better at making equal groups by sharing.

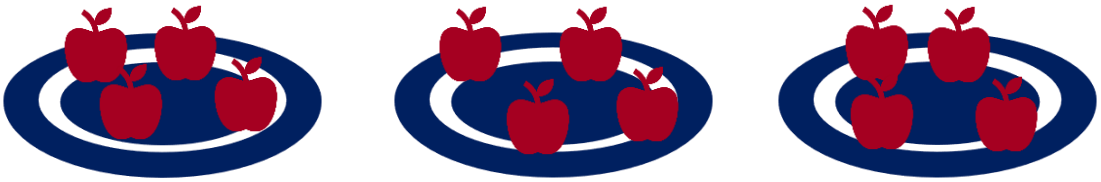
I am getting better at using the ÷ sign in a division sentence.

Today we are looking at sharing groups equally and using the '÷' division symbol in a sentence.

We will be sharing objects in the same way that we did yesterday, however we will write a division sentences using the '÷' symbol as well as ____ shared between ___ = ____.

For example, can you share the 12 apples equally onto 3 plates?

I have shared the 12 apples equally between 3 plates.



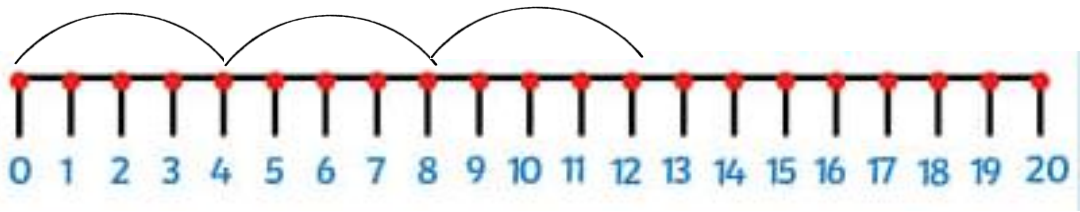
12 shared between 3 = 4.

12 has been shared equally into 3 equal groups. I have 4 in each group. 3 groups of 4 make 12.

12 ÷ 3 = 4

You can always check your answer by multiplying the answer by the number of groups you are sharing by. For example, 4 x 3 = 12.

You could also use a number line to work out written problems, as shown below.



I have some work for you to do below, with an extension if you would like to do it!

Can you share the 6 cars equally between the 2 people?

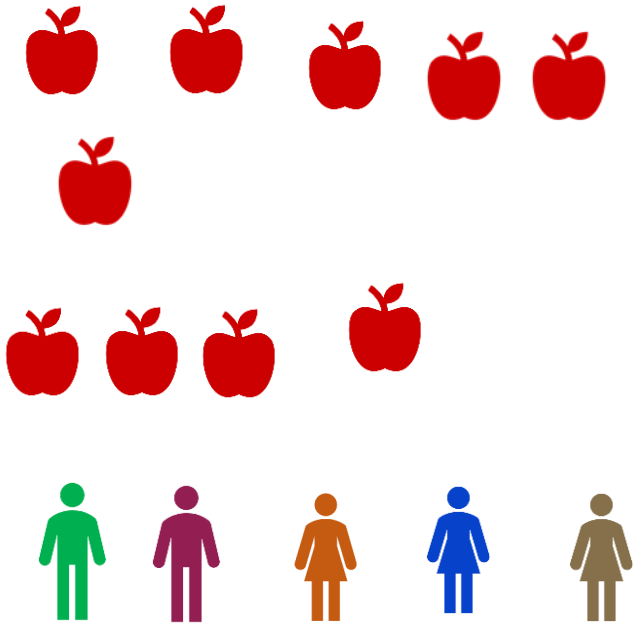
____ has been shared equally into ____ equal groups.

I have ____ in each group.

____ groups of ____ make ____.

____ ÷ _____ = _____

Can you share the 10 apples equally between the 5 people?



____ has been shared equally into ____ equal groups.

I have ____ in each group.

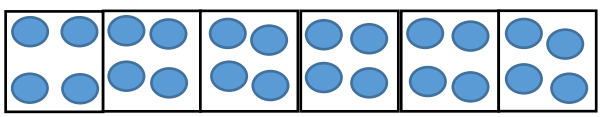
____ groups of ____ make ____.

____ ÷ _____ = _____

Bob draws this bar model to divide 24 into 6 equal groups.

How does his model represent this?

24

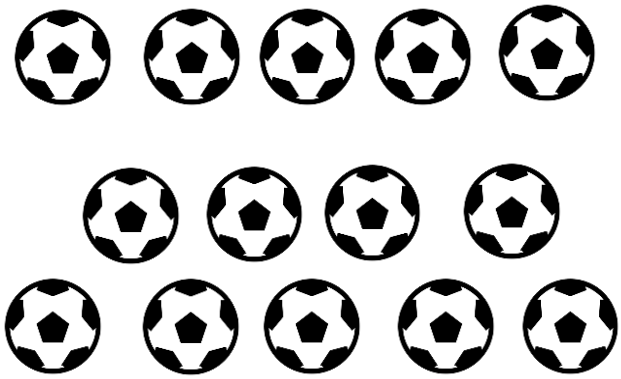


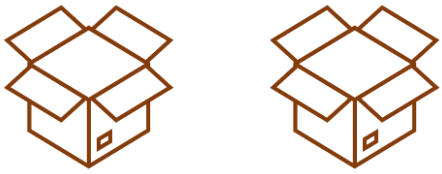
____ ÷ _____ = _____

Could you write this another way?

____ ÷ _____ = _____

Can you share the balls between the boxes?





____ has been shared equally into ____ equal groups.

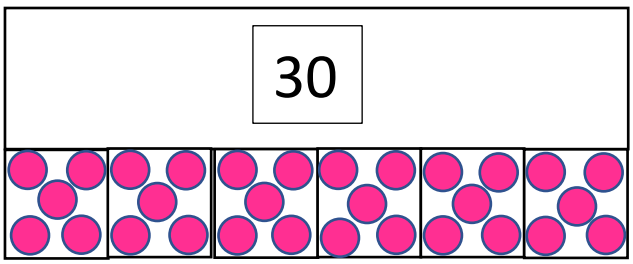
I have ____ in each group.

____ groups of ____ make ____.

____ ÷ _____ = _____

Amy has 30- apples and shares them with 6 friends.

How will you represent this from the bar model?



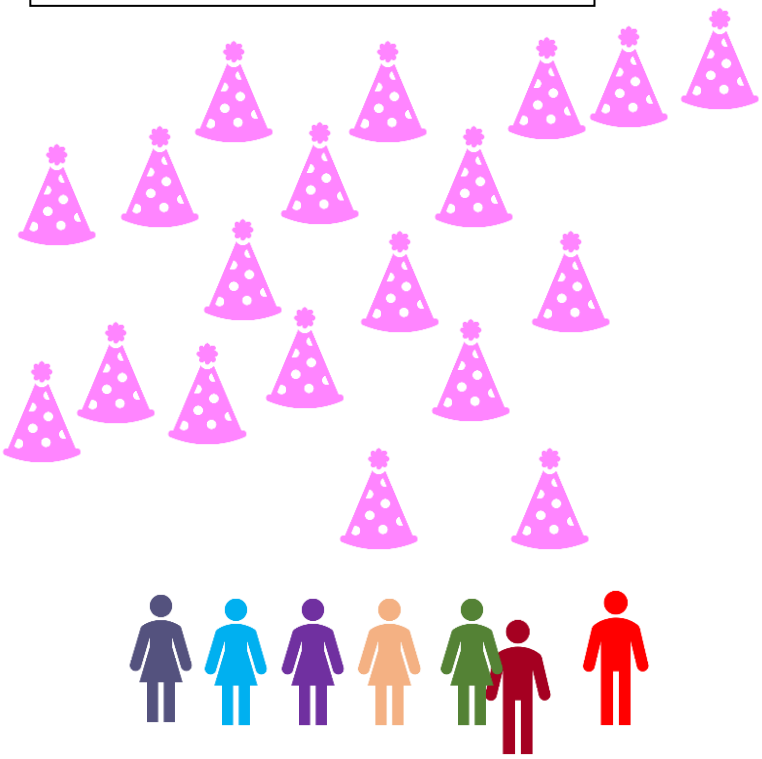
____ has been shared equally into ____ equal groups.

I have ____ in each group.

____ groups of ____ make ____.

____ ÷ _____ = _____

7 people want to buy party hats. There are 21 hats, how many hats will each person buy?

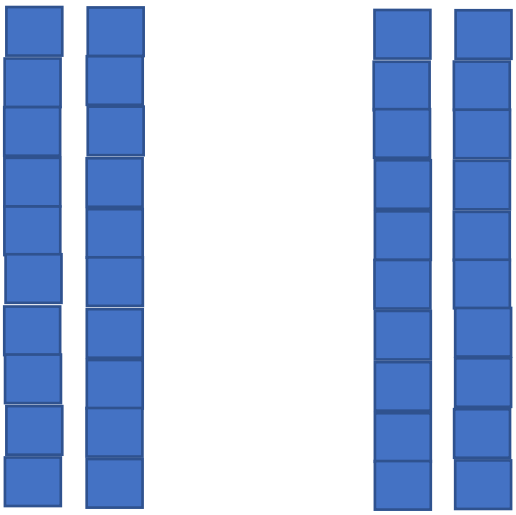


____ has been shared equally into ____ equal groups.

I have ____ in each group.

____ groups of ____ make ____.

____ ÷ _____ = _____



I can work out 40 ÷ 2 easily because I know that 40 is the same as 4 tens.

40 ÷ 2 = 20

Is it possible to work out 60 ÷ 3 in the same way?

60 ÷ 3 = _____

Can you divide the cheese between the mice?

____ has been shared equally into ____ equal groups.

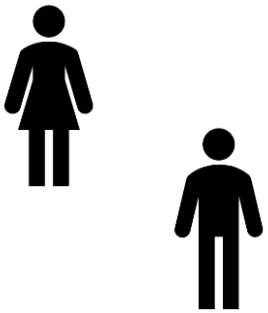
I have ____ in each group.

____ groups of ____ make ____.

____ ÷ _____ = _____

Extension

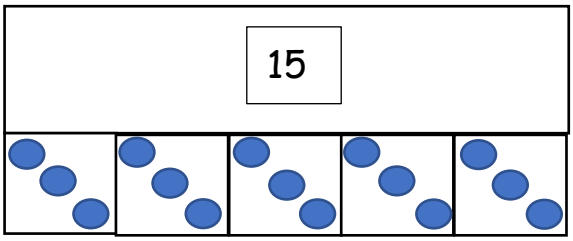
Can you divide the apples equally between the people?



_____ ÷ _____ = _____

Does this bar model represent the number sentence?

15 ÷ 3 = 5



____ has been shared equally into ____ equal groups.

I have ____ in each group.

____ groups of ____ make ____.

____ ÷ _____ = _____

Alex has 20 sweets and shares them between 5 friends.

Tommy has 20 sweets and shares them between 10 friends.

Whose friends will receive the most sweets?

How do you know?

Anna says that you can share 12 equally 5 different ways.

Is Anna correct?