Monday 25th January 2021

L.O: I am getting better at dividing by 2.

Today in maths we will be dividing by 2 and to do this we will be using the skills learned by sharing to complete the division problems.

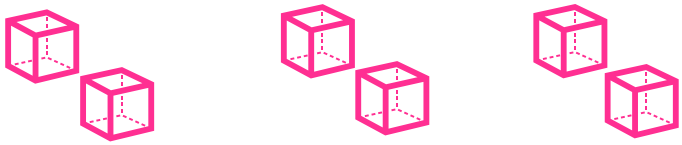
You can use cubes or whatever objects you have been using at home to help you solve these problems.

I would like you to think about what you notice when you group the objects in two. Is there a link between dividing by 2 and halving?

What is different about sharing into two groups and grouping in twos? If we are sharing into two groups then there are only two groups of a certain number. However, if we are grouping in twos then we will have many groups of two objects.

Do you think you could write a multiplication sentence as well as a division sentence? What do you notice?

Example



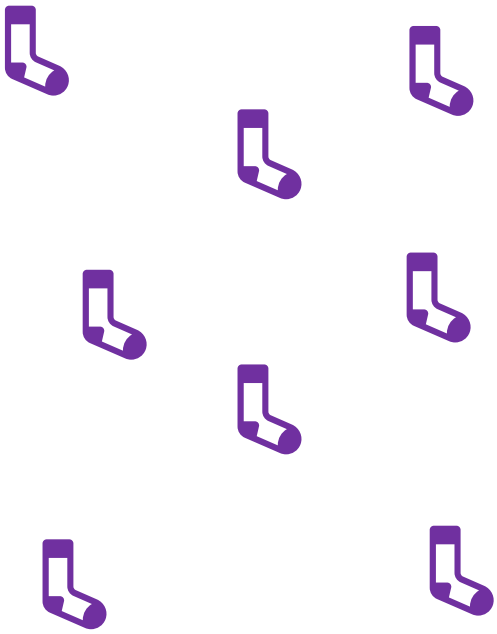
I have **6** cubes altogether. $6 \div 2 = 3$ or $6 \div 3 = 2$

There are **2** in each group. $2 \times 3 = 6$ or $3 \times 2 = 6$

There are **3** groups.

I have got some questions for you to complete and an extension if you would like to do it.

Can you group these socks into pairs?



Can you complete the number sentences?

_____ ÷ _____ = _____

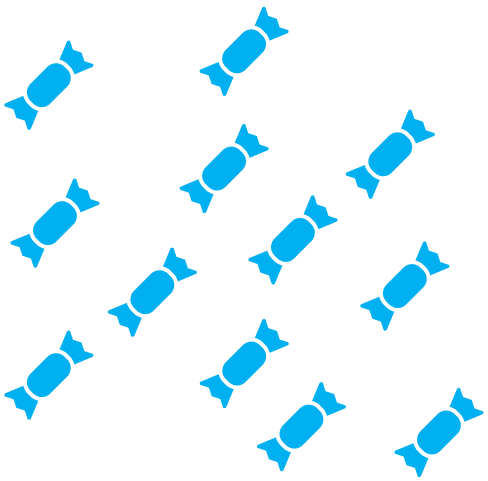
_____ x _____ = _____

Can you re-write these sentences?

Mo and Tommy have 12 sweets between them.

They share them equally.

How many sweets does each child get?

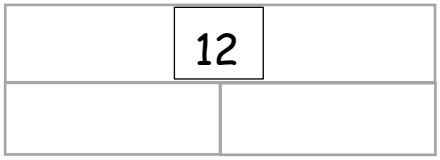


There are _____ sweets altogether.

There are _____ groups.

There are _____ in each group.

Complete the bar model and write a calculation to match.



_____ ÷ _____ = _____

_____ x _____ = _____

Anna says 10 ÷ 2 = 5 is the same as 5 x 2 = 10.

Is she right?

Please show me how you work out your answer.

Two children sit at each table.

How many tables do I need for 20 children?

There are _____ children.

There are _____ children at each table.

_____ ÷ _____ = _____

_____ x _____ = _____

John has 18p in 2p coins.

How many 2p coins does he have?

_____ ÷ _____ = _____

_____ x _____ = _____

John has _____ 2p coins.

I put 2 sausages on each plate.

I have 12 sausages.

How many plates do I need?

_____ ÷ _____ = _____

_____ x _____ = _____

I need _____ plates.

I have 24p.

I divide it equally between 2 fiends.

How much will they get each?

_____ ÷ _____ = _____

_____ x _____ = _____

They will get _____p each.

Tommy and Annie have some counters.

Tommy shares his counters into 2 equal groups.

He has 15 in each group.

Annie groups her counters in twos.

She has 19 groups.

Who has more counters and by how many?

Please show me how you have worked this out.

Tommy has _____ equal groups with _____ in each group.

Annie has _____ groups, which are grouped in twos.

Extension

Anna says 10 ÷ 2 > 8 divided by 2.

Is she right?

Please show me how you worked this out.

Can you solve these questions?

8 ÷ 2 =

22 ÷ 2 =

12 ÷ 2 =

2 ÷ 8 =

10 ÷ 2 =

Please can you write your answers here?

Ron has shared some grapes equally between two friends.

Each friend receives fewer than 50 grapes.

Complete the sentences to describe the number of grapes Ron started with.

He must have started with…

He could have started with…

He can't have started with…

How many groups of 2 can I make with 14?

Please show me how you worked this out.