

Year 1 Maths home learning week 11

Division

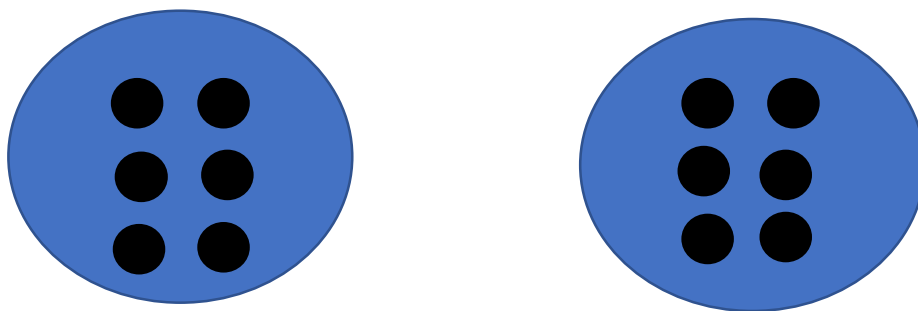
This week's Maths learning is all about division. To warm up you can practise the 2, 5 and 10 times tables with your child. To teach division in Year 1 we use the hoops and dots or cookies on a plate method. (similar to multiplication like last week.) The difference is that with division we '**share**' the total number of objects **equally** between the number of groups by giving each group 1 object at a time. Below are a couple of links to youtube and BBC bitesize videos to demonstrate this.

<https://www.bing.com/videos/search?q=division+year+1+videa&docid=608006273233391501&mid=A0CF19F31CCB6D4D15AEA0CF19F31CCB6D4D15AE&view=detail&FORM=VIRE>

<https://www.bing.com/videos/search?q=division+year+1+videa&docid=607992177228843738&mid=E7C3D533870336834BBBE7C3D533870336834BBB&view=detail&FORM=VIRE>

<https://www.bbc.co.uk/bitesize/topics/zqbg87h/articles/z9jxhv4>

So for $12 \div 2$ we would count out 12 objects and share them equally between 2 groups by giving each group 1 at a time. This could be by drawing the hoops and sharing the dots or by practically using objects on plates etc.



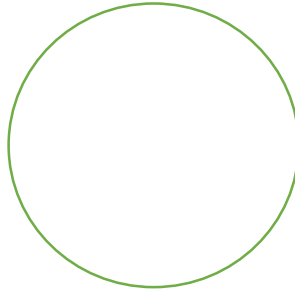
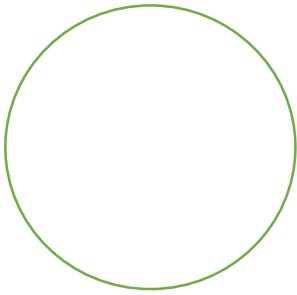
This is an interactive game you may want to have a go on.

<https://www.bbc.co.uk/bitesize/topics/zqbg87h/articles/z9jxhv4>

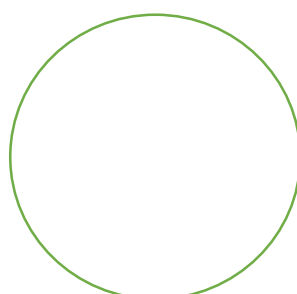
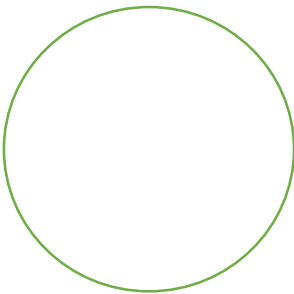
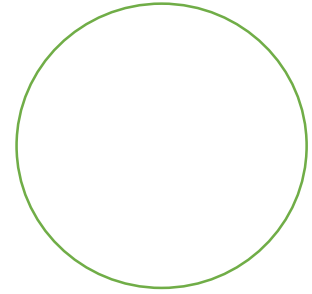
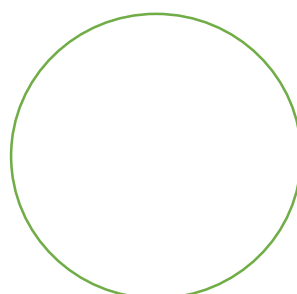
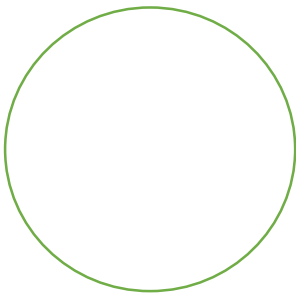
<https://pbskids.org/curiousgeorge/busyday/dogs/>

Here are some division number sentences for you to solve practically with objects or by using the hoops and dots. Remember the first number is the number of objects or dots that you need to share, and the second number is how many groups you are sharing between.

$$16 \div 2 =$$

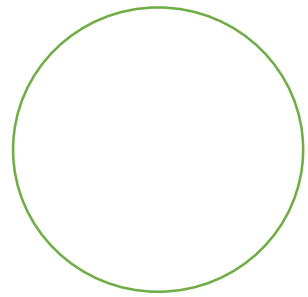
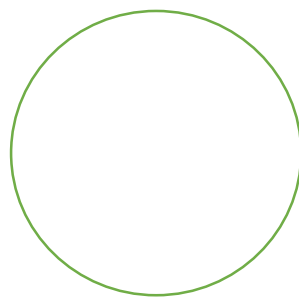
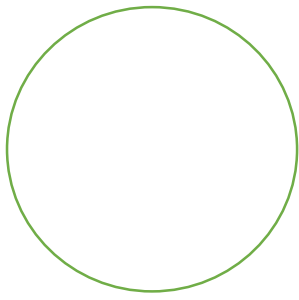


$$15 \div 5 =$$

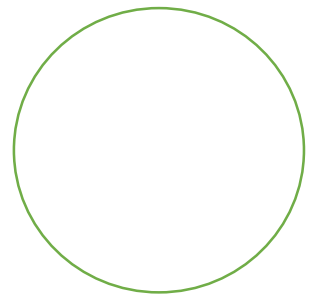
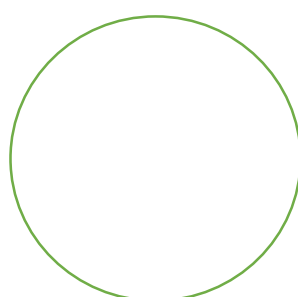
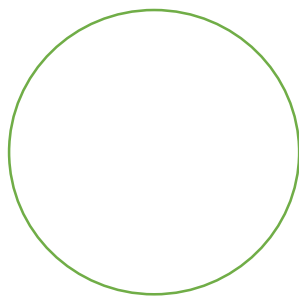
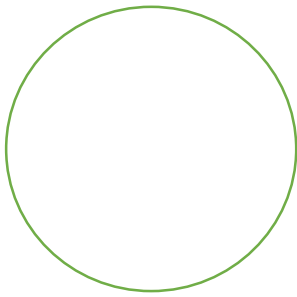


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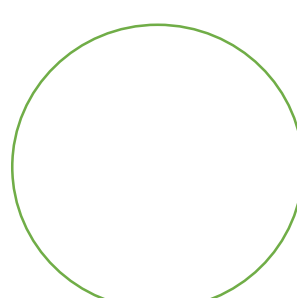
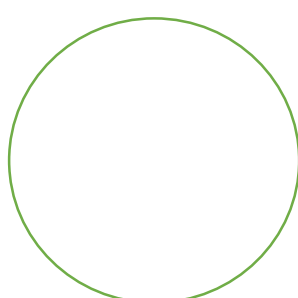
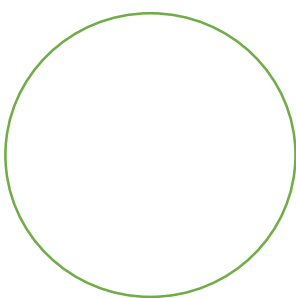
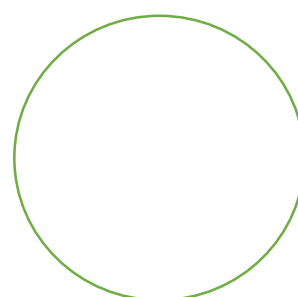
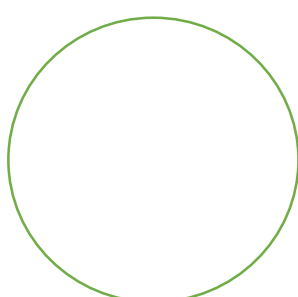
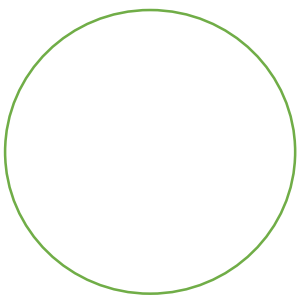
$$12 \div 3 =$$



$$16 \div 2 =$$



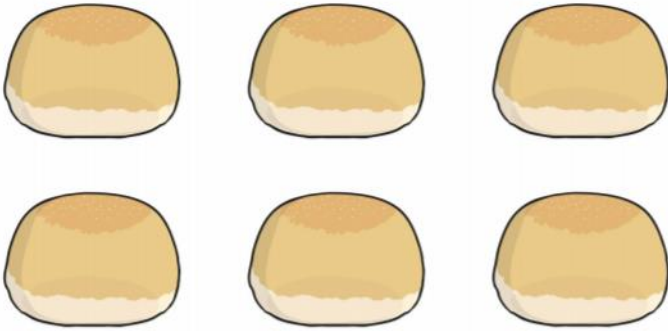
$$18 \div 6 =$$



Now have a go at these word problems. Again you can use physical objects or you can draw your own hoops and dots.

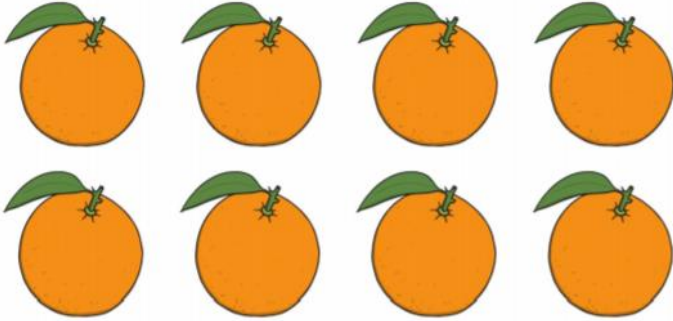
Food Division Problems ★

1. James has 6 bread rolls. He shares them equally with his sister. How many do they have each?



Food Division Problems ★

2. Evie buys 8 oranges at the shop. She shares them equally with her friend. How many oranges do they have each?



Food Division Problems ★

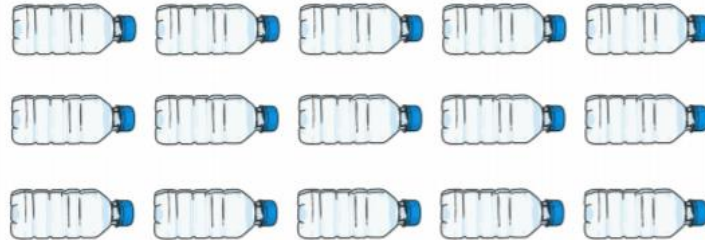
3. Imran has 10 ice creams. He eats two every day. How many days will his ice creams last?



Food Division Problems



1. Michelle buys 15 bottles of water. She shares them equally between her three children. How many do they each get?



Food Division Problems



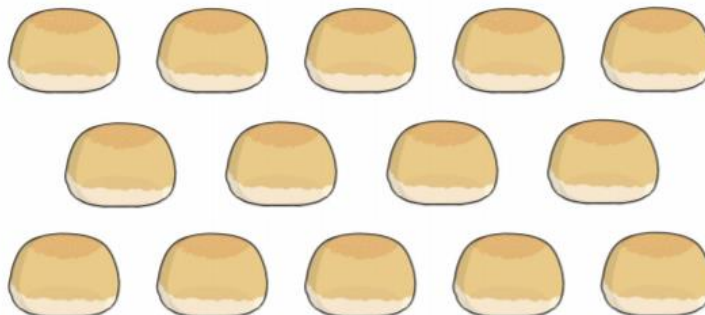
2. A shop has 40 sausage rolls on sale. If five friends buy them and share them equally, how many do they each get?



Food Division Problems

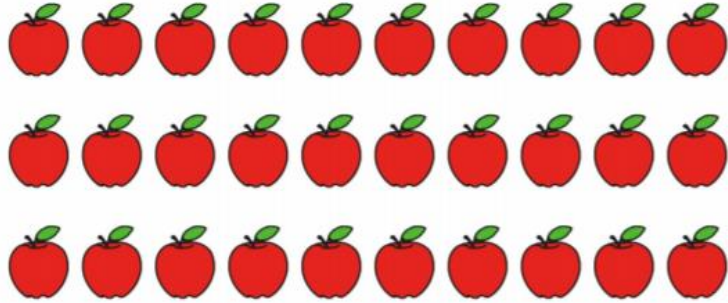


3. Jessica buys 14 bread rolls. She has two every day. How many days will she have bread rolls for?



Food Division Problems ★★

4. Amaan loves apples. He eats three every day. How many days will 30 apples last for?



A visual representation of 30 apples, arranged in three horizontal rows of ten apples each. Each apple is red with a green leaf.

Food Division Problems ★★

5. Dan gives his five children their pocket money to spend at the shop. He has £20. How much would each child get if they shared the money equally?



A visual representation of 20 gold coins, arranged in four horizontal rows of five coins each. Each coin is gold with a detailed design.

Challenge:

If your child is confident with the division problems, you can always have a go at teaching them that the division is the inverse (opposite) of multiplication. For example, $20 \div 5 = 4$ and $5 \times 4 = 20$.

This is not something your child needs to know in Year 1 but if you think your child is ready then you can have a go.

Prove it !



Billy thinks he can share 9 sweets equally between 2 people. Is he right? Show your working and explain how you know.

Evie thinks she can share 12 biscuits between 3 people, and they will each get 3 biscuits. Is she right? Show your working and explain how you know.

Sarah says $21 \div 3$ is 6. Is she right? Show your working and explain how you know.