Disclaimer

We hope you find the information on our website and resources useful.

Animations

This resource has been designed with animations to make it as fun and engaging as possible. To view the content in the correct formatting, please view the PowerPoint in 'slide show mode'. This takes you from desktop to presentation mode. If you view the slides out of 'slide show mode', you may find that some of the text and images overlap each other and/or are difficult to read.

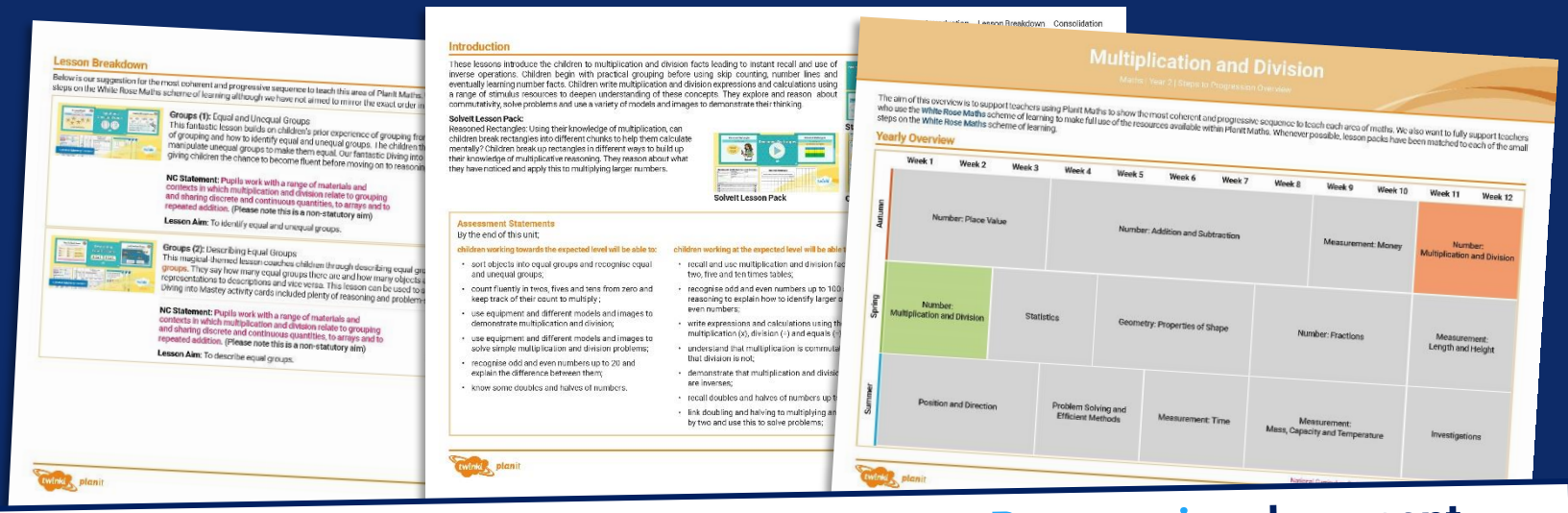
To enter slide show mode, go to the **slide show menu tab** and select either **from beginning or from current slide**.

You may wish to delete this slide before beginning the presentation.

Maths

Multiplication and Division

Need a coherently planned sequence of lessons to complement this resource?



See our Multiplication and Division Steps to Progression document.

Twinkl PlanIt is our award-winning scheme of work with over 4000 resources.

twinkl planit

Division by Sharing

Aim

- To divide by sharing.

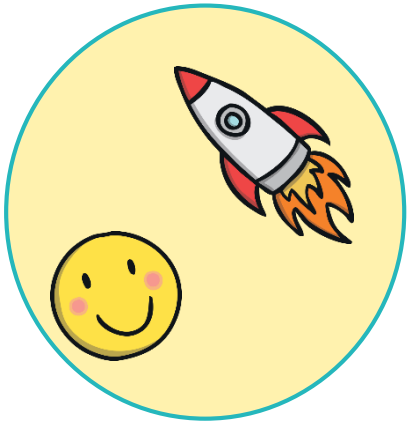
Success Criteria

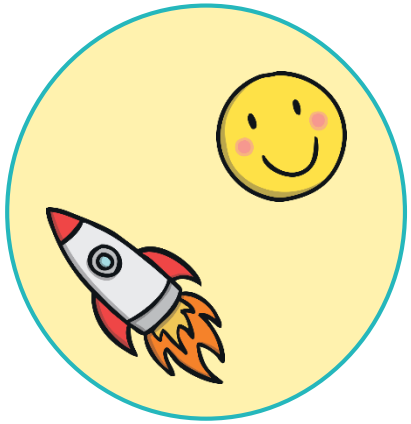
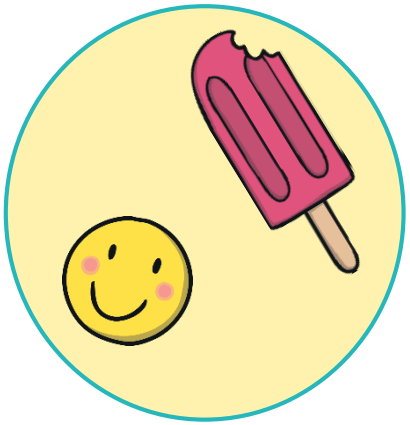
- I can share objects equally into groups.
- I can use skip counting as an efficient method to divide by sharing.
- I can solve division problems by using sharing.

Remember It

Stickers come in packs of 2.
Eva has 16 stickers.
How many packs did she buy?

8 packs


Remember It

Football stickers come in packs of 10. Elias has 40 stickers.
How many packs did he buy?

4 packs

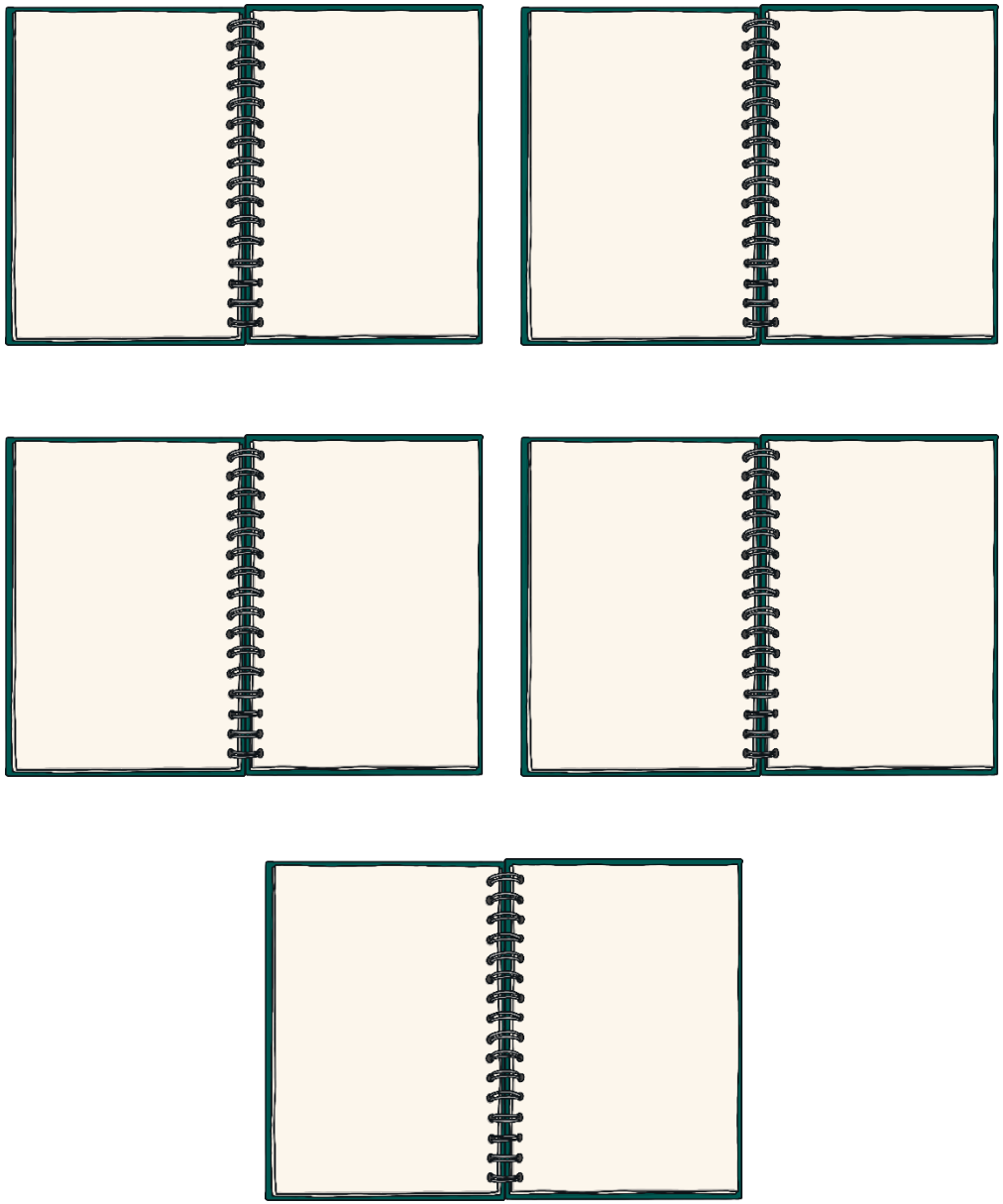
Sharing

We can use division to represent sharing problems.

Eva has 12 of her favourite stickers and she would like to share them equally between her and her best friend Marcel. **How many stickers do they each get?**

Sharing

Elias has 25 stickers and he would like to share them equally between his 5 sticker books. **How many stickers go in each book?**

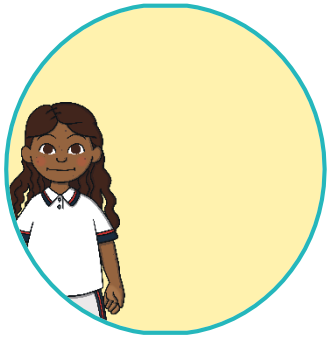


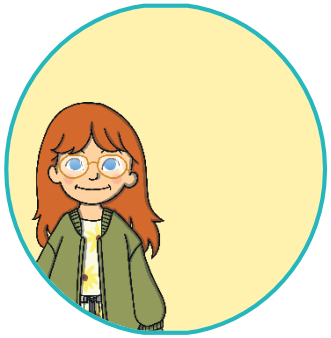
Sharing

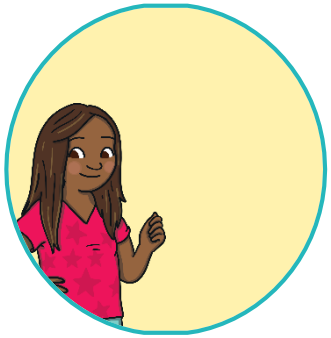
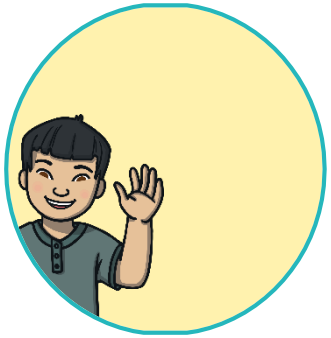
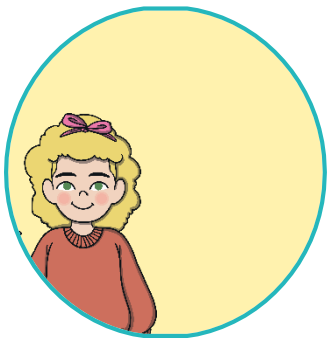
Eva has 30 stickers and she wants to share them equally between her 10 friends.

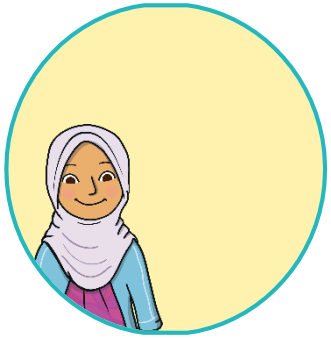
How many stickers will each friend get?

30 stickers **divided** between 10 children are equal to 3 stickers each.





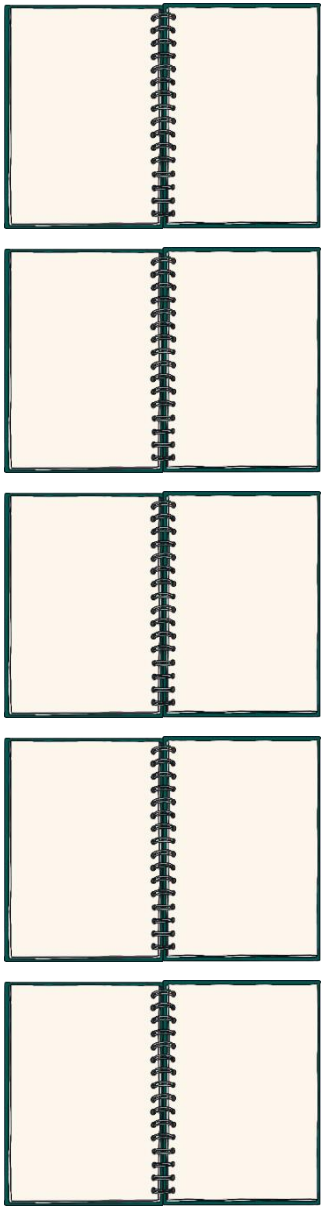




Skip Counting

I'm going to share my 40 stickers between 5 sticker books.

That took me a while but I did it!



Is Ella's method of sharing a good method to use?

There were a lot of stickers so this method took a long time. Because there were so many stickers to deal out, Ella made a couple of mistakes.

Skip Counting

I'm going to share my 40 stickers between 5 sticker books.

We can use skip counting to solve a sharing problem too.

Because they are being **divided by 5 sticker books**, we can count in 5s up to 40.

equal to 8 each.

Each book will get 8 stickers.

Skip Counting

Let's share 50 stickers between 10 children.

How many stickers will each child get?

What can we count in to solve this problem?

Because they are being **divided by 10 children**, we can count in 10s up to 50.

50 divided between 10 is equal to 5 each.

$$50 \div 10 = 5$$

Counting in tens was much quicker than sharing the stickers one at a time.

Skip Counting

Let's share 50 stickers between 10 children.

How many stickers will each child get?

What does each part of the calculation represent?

total number of stickers

number of stickers each child gets

$50 \div 10 = 5$

number of children the stickers are being shared to

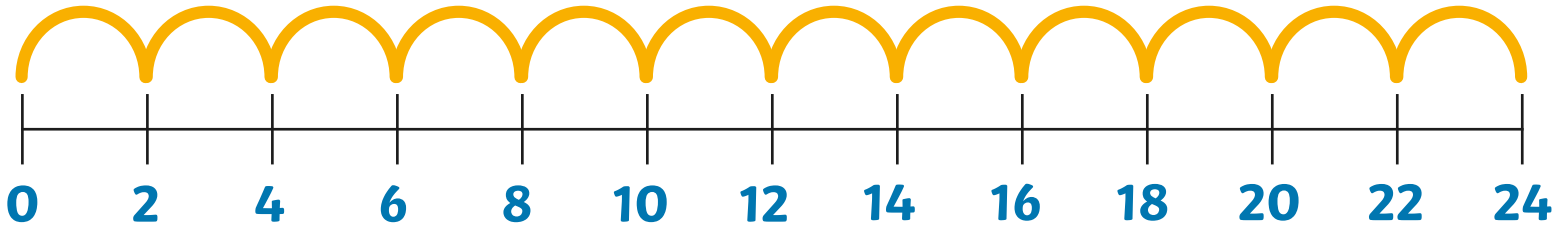
Skip Counting

Let's share 24 stickers between 2 sticker books. **How many stickers will go in each book?**

What can we count in to solve this problem?

Because they are being **divided by 2 sticker books**, we can count in 2s up to 24.

24 divided between 2 is equal to 12 each.

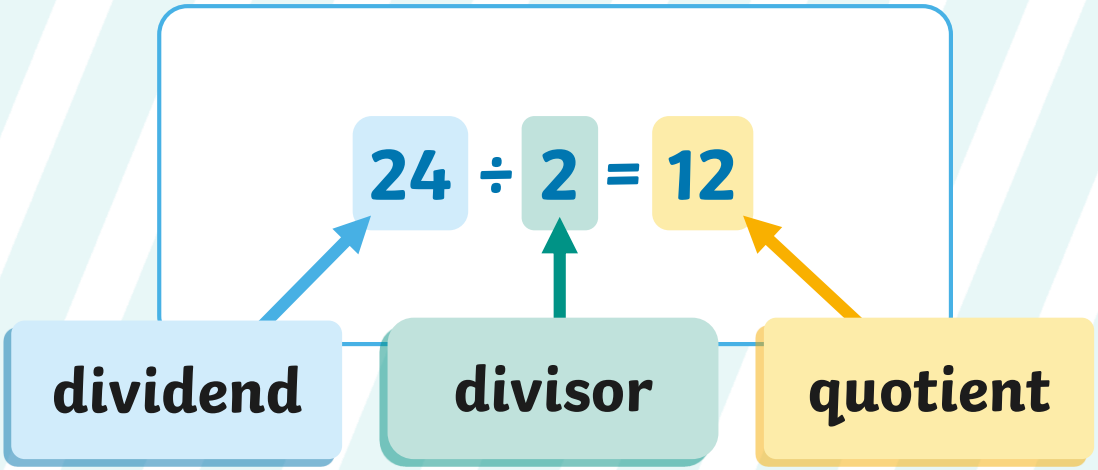


What does each part of the calculation represent?

total number of stickers → 24 ÷ 2 = 12 ← number of stickers in each book

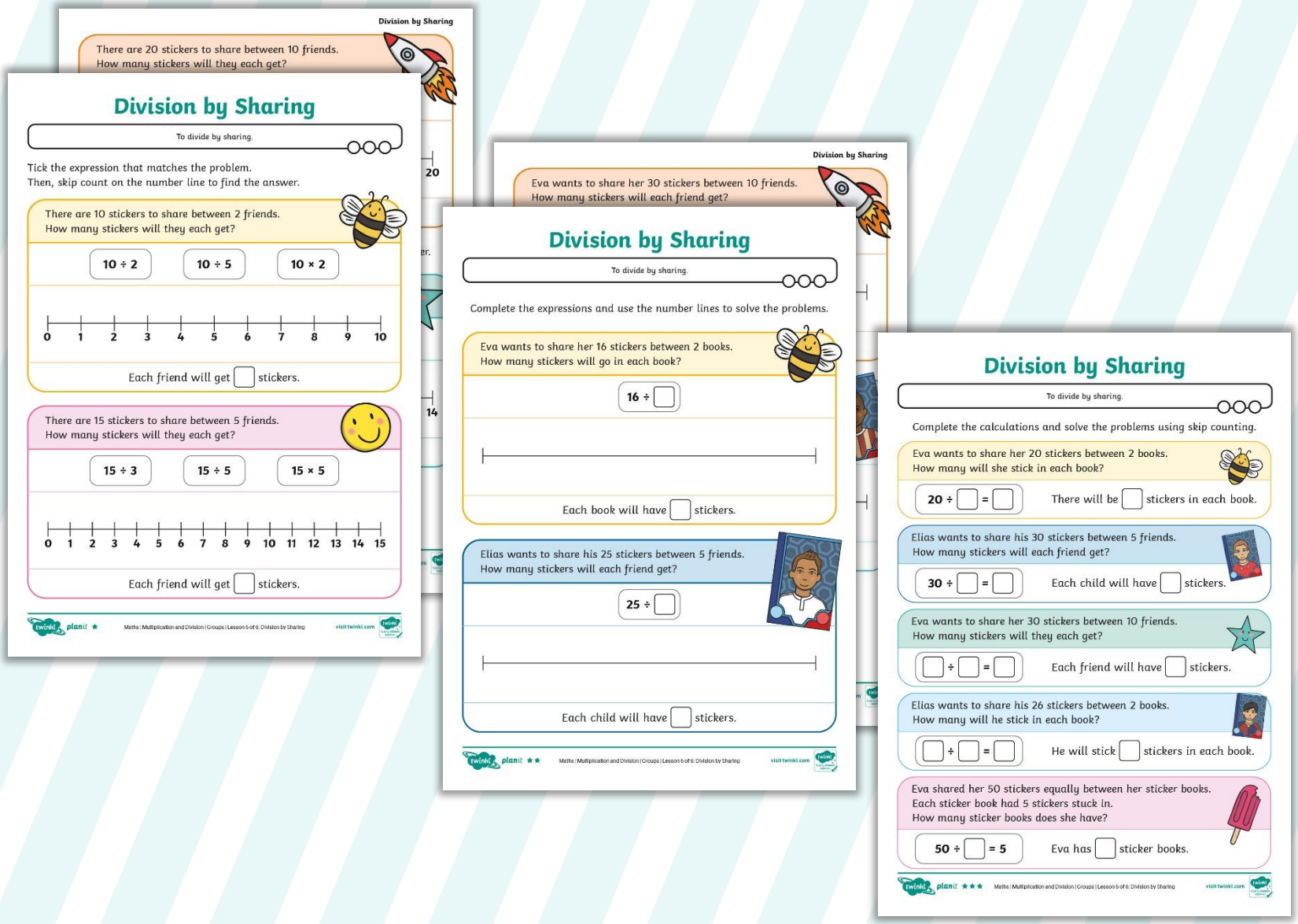
number of books → 2

Dividend, Divisor, Quotient



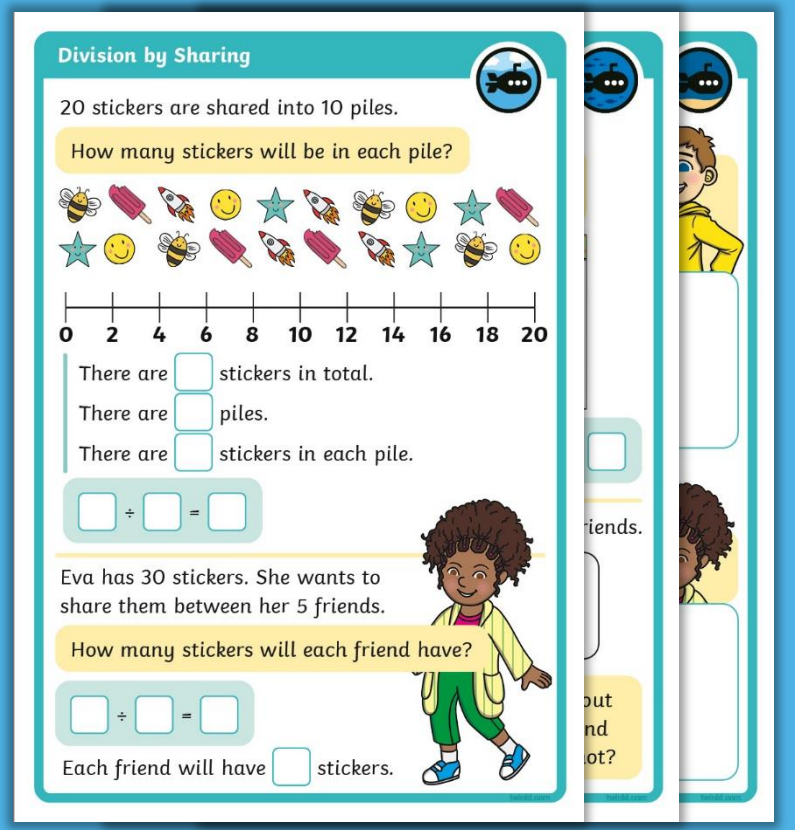
We can skip count using the **divisor** up to the **dividend** to find the **quotient** .

Division by Sharing



Diving into Mastery

Dive in by completing your own activity!



Reasoning

There are 20 stickers to share between children.

If there are 2 children, how many stickers will they each get?

10 stickers each.

What about if there were 5 children? Would they get more or less stickers each?

There will be less. Each child will have 4 stickers each.

How many stickers would they each get if there were 10 children?

2 stickers each.

Aim

- To divide by sharing.

Success Criteria

- I can share objects equally into groups.
- I can use skip counting as an efficient method to divide by sharing.
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