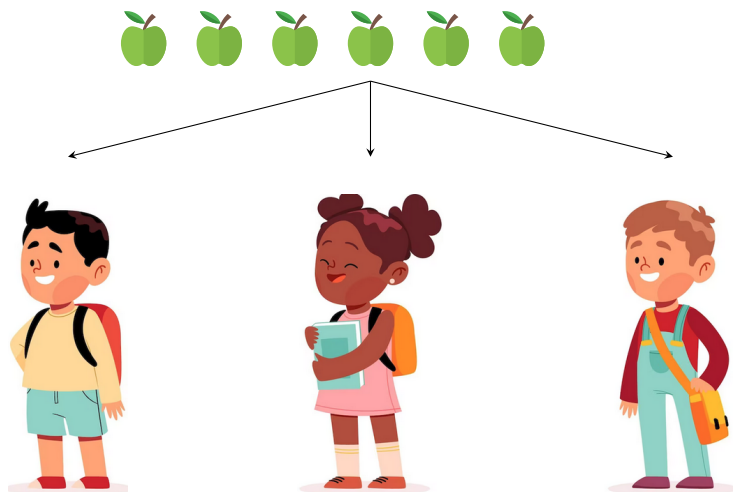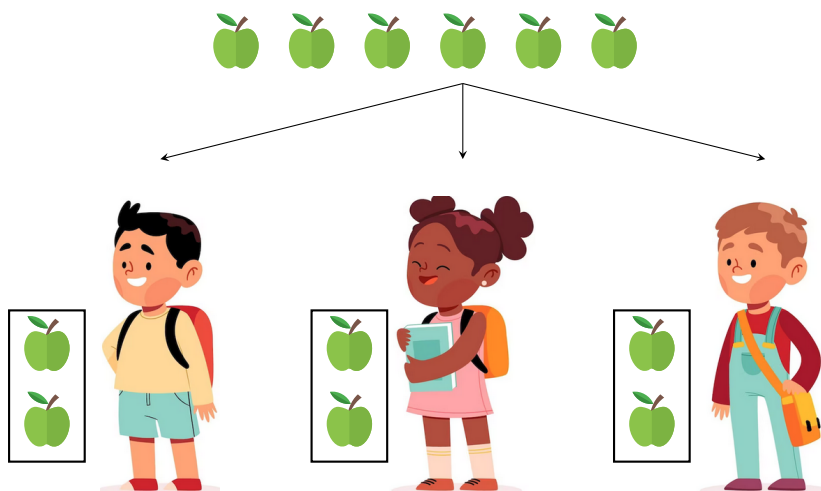# DIVISION

Have you ever shared something fairly with friends? Or have you ever put your toys away into equal groups? When you do this, you are using division! Division is a powerful tool for sharing and grouping equally.

A WHAT IS DIVISION?

Discover: Hugo, Aisha, and Louis have 6 apples. They want to share them equally. How can they do it so that it's fair?

Answer:

We can give one apple to each friend until all the apples are gone. Each friend gets 2 apples.

Division is the process of splitting a total amount into equal groups. We use the **division sign (÷)** to write a division sentence.

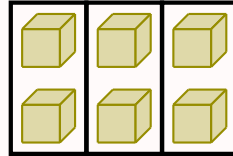We can show "**six** divided by **three** equals **two**" in many ways:
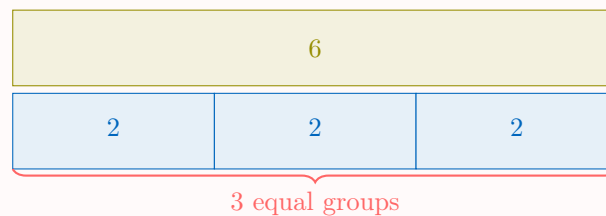
- **With Numbers**:
$$6 \div 3 = 2$$

- **In Groups**

6 shared into 3 equal groups is 2 in each group

- **With Cubes**:

$6 \div 3 = 2$: number of cubes in each group
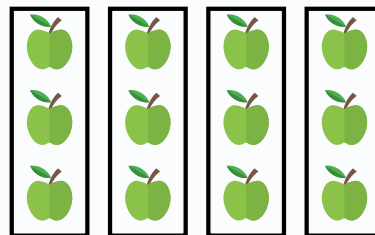
- **With a Part-Whole Model**:

B TWO KINDS OF DIVISION QUESTIONS

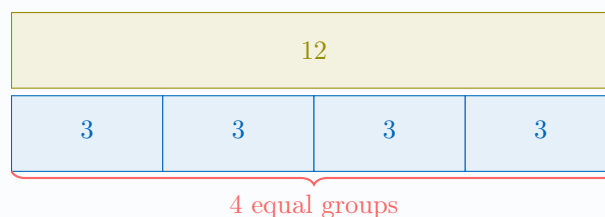Method **Question 1: How many in each group?**

Sometimes you know the **total** and the **number of groups**. Division helps you find the **number of items in each group**.

$$\text{Total} \div \text{Number of groups} = \text{Number in each group}$$

For example, we have 12 apples to share equally among 4 friends.
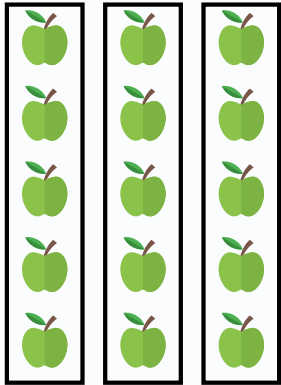

Each friend gets $12 \div 4 = 3$ apples.

Method **Question 2: How many groups can be made?**

Other times, you know the **total** and the **number of items for each group**. Division helps you find the

number of groups you can make.

$$\text{Total} \div \text{Number in each group} = \text{Number of groups}$$

For example, we have 15 apples and we put them into boxes of 5.

We can make $15 \div 5 = 3$ boxes.

15		
5	5	5

3 equal groups