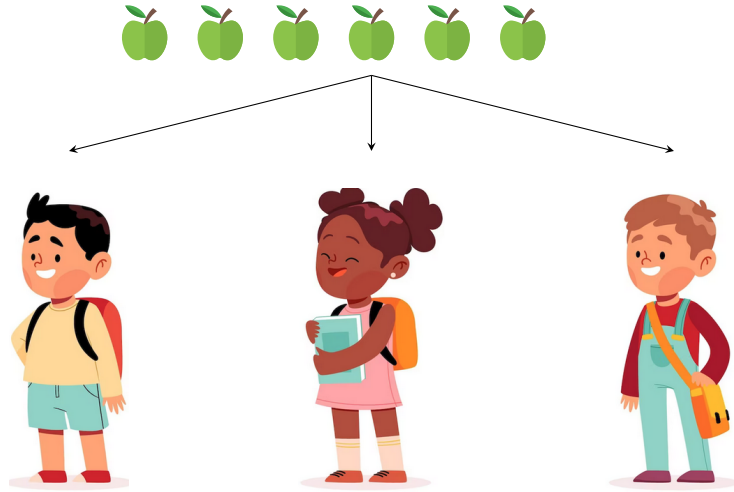


DIVISION

Division is an essential concept in mathematics. It's a way to split a number into equal parts.

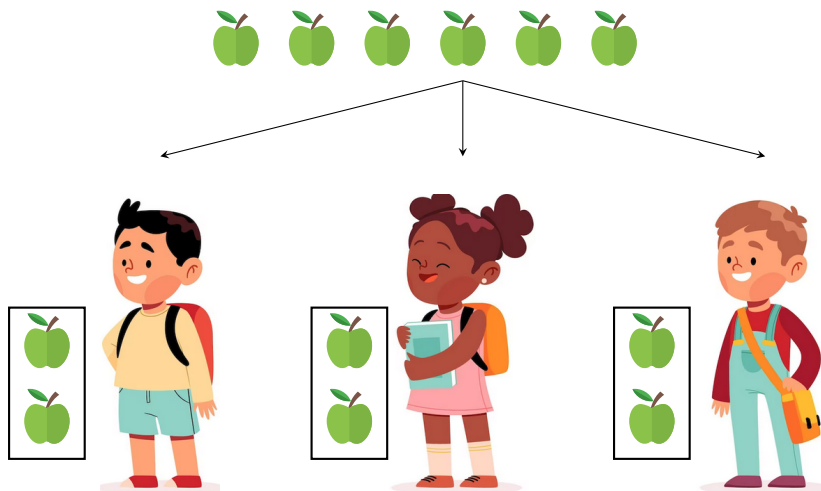
A DEFINITIONS

Discover: Kevin, Aisha, and Louis have 6 apples. They want to share these apples equally.



How many apples will each friend get?

Answer: To divide 6 apples among 3 friends:



Each friend receives 2 apples.

When we say 6 apples divided among 3 friends, we can write it as $6 \div 3 = 2$. The symbol \div means "divided by."

Definition Division

Division is the process of splitting a number into equal parts or groups. The \div symbol indicates division. Division can be represented in several ways:

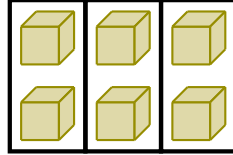
- Numbers:

$$6 \div 3 = 2$$

- Words:

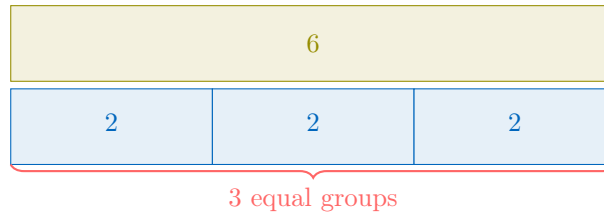
six divided by three equals two

- Items:



$6 \div 3 = 2$: number of blocks in each group

- Part-whole model:



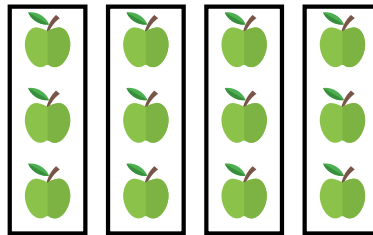
B REPRESENTATIONS OF DIVISION

Method Number of items in each group

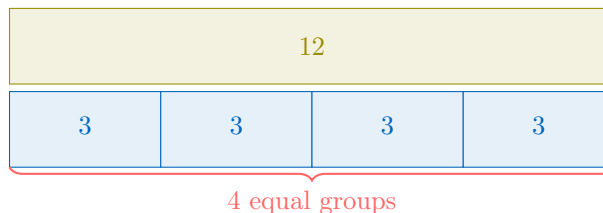
When you know the total and the number of groups, division finds the number of items in each group.

$$\text{total} \div \text{number of groups} = \text{number of items in each group}$$

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



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

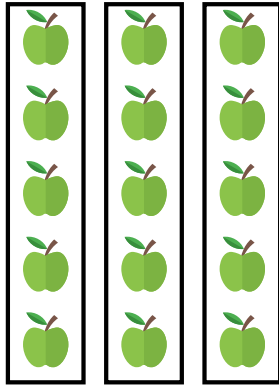


Method Number of groups

If you know the total and the number of items in each group, division finds the number of groups.

$$\text{total} \div \text{number of items in each group} = \text{number of groups}$$

For example, we have 15 apples and pack them into boxes, each holding 5 apples.



Thus, $15 \div 5 = 3$ is the number of boxes.