Division Using the Number Line

Division Using the Number Line

A number line is a line with numbers in order. We can use it to do division by making equal jumps backward. We start from the bigger number and make equal jumps to reach 0. The number of jumps tells us the answer.

How to Divide on the Number Line

Step 1: Draw a number line starting from 0

Step 2: Mark the big number

Step 3: Make equal jumps backward

Step 4: Count the jumps — that's the answer

Examples with Solutions

i. 6 ÷ 2 on the number line

Start at 6 and make jumps of 2 till you reach 0

Jumps: 6 → 4 → 2 → 0 (3 jumps)

Answer: 3

ii. 10 ÷ 5 on the number line

Start at 10 and jump back by 5

Jumps: 10 → 5 → 0 (2 jumps)

Answer: 2

iii. 9 ÷ 3 on the number line

Start at 9 and jump back by 3

Jumps: 9 → 6 → 3 → 0 (3 jumps)

Answer: 3

iv. 12 ÷ 4 on the number line

Start at 12 and jump back by 4

Jumps: 12 → 8 → 4 → 0 (3 jumps)

Answer: 3

v. 8 ÷ 2 on the number line

Start at 8 and jump back by 2

Jumps: 8 → 6 → 4 → 2 → 0 (4 jumps)

Answer: 4

Summary Points

- Division on number line means making equal jumps backward
- Start from the big number and jump back by the smaller number
- Count the number of jumps to get the answer
- It makes division easy and fun to understand
- Helps to visualize and solve division problems better