

Multiplication as Repeated Addition

Chapter 6: Decoration for Festival · Topic 1

Key Concept

When we add the same number repeatedly, like $4+4+4$, we can write it as multiplication instead: $4 \times 3 = 12$, meaning 4 added 3 times.

The multiplication sign ($\times$) tells us to multiply. In ' 4×3 ', the first number (4) is what we're adding repeatedly, and the second number (3) is how many times we add it.

Multiplication is especially useful for counting equal groups quickly, like counting the total number of legs on 5 chairs if each chair has 4 legs: $4 \times 5 = 20$.

Understanding that multiplication is repeated addition helps us solve multiplication problems even before memorising multiplication tables.

Quick Revision Notes

- Multiplication is a faster way to add the same number repeatedly.
- $4+4+4$ is the same as 4×3 .
- The multiplication sign is ' $\times$ '.
- In 4×3 , we add 4 three times.
- Multiplication helps count equal groups quickly.
- $4 \times 5 = 20$ counts legs on 5 chairs with 4 legs each.
- Understanding repeated addition helps with multiplication.
- Multiplication tables build on this idea.

Practice Questions

- 1 Solve: 3×4 using repeated addition.
- 2 Write $5+5+5$ as a multiplication sum.
- 3 Find 6×2 using repeated addition.
- 4 Draw 3 groups of 4 objects and count them.
- 5 Solve three multiplication problems using repeated addition.
- 6 Find an example of equal groups at home and write it as multiplication.