

SUMMARY

NCERT Class 6 Maths Chapter 10: The Other Side of Zero

Overview

This summary of **NCERT Class 6 Maths Chapter 10: The Other Side of Zero** introduces negative numbers and their applications in real-life contexts like temperature and elevation. Designed for students, teachers, and parents, it covers number lines, addition, subtraction, and practical uses, making it ideal for exam preparation and conceptual understanding. Visit GovtJobsNet.com for more educational resources.

Key Concepts

- **Introduction to Negative Numbers**
 - Negative numbers represent values less than zero (e.g., -5).
 - Used for temperature below zero or debts.
 - Example: -3°C indicates 3 degrees below freezing.
- **Number Line Representation**
 - Negative numbers are placed to the left of zero on a number line.
 - Example: -2 is left of -1, with zero as the reference point.
- **Addition and Subtraction**
 - Adding a negative number is like subtracting a positive (e.g., $5 + (-2) = 3$).
 - Subtracting a negative number is like adding a positive (e.g., $5 - (-2) = 7$).
 - Example: $-3 + 4 = 1$; $6 - (-3) = 9$.
- **Real-Life Applications**
 - Negative numbers measure sea depth, temperature, and financial losses.
 - Example: -10 m below sea level or a -50 profit loss.
- **Ordering and Comparison**
 - Negative numbers increase as they move right on the number line (e.g., $-4 < -2$).
 - Example: Arrange -5, -1, 0, 3 in order: -5, -1, 0, 3.
- **Practical Problems**
 - Solve problems involving movement or temperature changes.
 - Example: If temperature drops from 2°C to -3°C , the change is -5°C .

Practice Questions

- Place -4, -1, 2, and 0 on a number line.
- Calculate $3 + (-5)$ and explain the result.
- Subtract -2 from 7 and verify on a number line.
- Compare -3 and -6; which is larger?
- Find the temperature change from -2°C to 5°C .

Why This Chapter Matters

Understanding negative numbers is crucial for handling real-world scenarios like weather, finance, and science. It builds a foundation for algebra and advanced mathematics. For more study materials and exam tips, explore [GovtJobsNet.com](https://www.govtjobsnet.com).

Source: NCERT Class 6 Maths Chapter 10