Integers in Other Places

1. Integers in Other Places

We Use Integers in Real Life:

Integers are used in many real-life situations to show values that go above or below a certain level. These include positive, negative, and zero values.

2. Examples of Integers in Other Places

i. Temperature

- Above 0°C → Positive integers
- Below 0°C → Negative integers

Example: +10°C (hot day), −5°C (cold day)

ii. Banking

- Money deposited → Positive integers
- Money withdrawn or debt → Negative integers

Example: +₹500 (deposit), −₹200 (debt)

iii. Elevators and Floors

- Floors above ground → Positive integers
- Floors below ground (basements) → Negative integers

Example: 2nd floor = +2, basement = −1

iv. Sea Level

- Heights above sea level → Positive
- Depths below sea level → Negative

 Example: Mount Everest = +8848 m, Dead Sea = −430 m

v. Sports Scores

- Gained points → Positive integers
- Lost points (penalties) → Negative integers

Example: +6 points for a goal, −2 points for a foul

vi. Electric Charges

- Positive charge (+) and negative charge (−)

3. Properties of Integers in Real-Life Use

i.   Positive integers show increase or gain

ii. Negative integers show decrease, loss, or values below a point

iii. Zero represents a neutral or starting point

iv. Integers help in comparing values in opposite directions

v.   Used in measurements, banking, games, geography, and science

4. Summary:

Integers are used in daily life

- Positive = gain/above zero, Negative = loss/below zero

- Found in temperature, money, height, sports, and more

- Help to represent values clearly in both directions

Example: −3°C (cold), +3°C (warm)