Importance of Fractions

Fractions Used For

Fractions help us represent parts of a whole in real life. They are very useful in daily activities such as:

Real-Life Examples of Fractions:

1. Sharing food:

• If a pizza is divided into 4 equal slices and you eat 2, then you ate $\frac{2}{4}$ of the pizza.

2. 🕒 Telling time:

- A quarter hour = $\frac{1}{4}$ of an hour = 15 minutes
- Half an hour = $\frac{1}{2}$ hour = 30 minutes

3. **Neasuring length or weight:**

• $\frac{1}{2}$ meter, $\frac{3}{4}$ kg

4. **(5)** Shopping and money:

• Discounts like $\frac{1}{3}$ off, or dividing a bill among people

5. Cooking and recipes:

• Add $\frac{1}{2}$ cup of sugar, or $\frac{3}{4}$ spoon of salt

Why Are Fractions Important?

- Help in dividing things equally
- Useful in measurements and money
- Needed for comparing parts of things
- Help in understanding time and quantities
- Form the base for advanced math like decimals and percentages

Properties Related to the Use of Fractions:

i. Fractions can represent equal parts of a whole

Example: $\frac{1}{4}$ means one part of four equal pieces

ii. Fractions can be compared, added, or subtracted

Example:
$$\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$$

iii. Fractions can be converted into decimals and percentages

Example:
$$\frac{1}{2} = 0.5 = 50\%$$

iv. Fractions are used to show ratios and proportions

Example: If 2 out of 5 apples are red, fraction = $\frac{2}{5}$