

Introduction to Decimals

Chapter 5: Introduction to Decimals · Topic 1

Key Concept

A decimal number uses a decimal point to separate the whole number part from the fractional part, like 3.5 meaning 3 whole and 5 tenths.

The first digit after the decimal point represents tenths, and the second digit represents hundredths, like 0.25 being 25 hundredths.

Decimals are commonly used in money, like ₹15.50, where the decimal separates rupees from paise.

Understanding decimals helps us in everyday situations involving money, measurements, and precise quantities.

Quick Revision Notes

- Decimal point separates whole from fraction part.
- $5 = 3 \text{ whole} + 5 \text{ tenths}$.
- First digit after point = tenths.
- Second digit = hundredths.
- $25 = 25 \text{ hundredths}$.
- Decimals used in money (₹15.50).
- This separates rupees from paise.
- Decimals help with measurements too.

Practice Questions

- 1 Write 7 and 3 tenths as a decimal.
- 2 Identify the tenths and hundredths digit in 4.56.
- 3 Write ₹25.75 and explain its parts.
- 4 Convert $\frac{1}{10}$ to a decimal.
- 5 Compare 3.4 and 3.45.
- 6 Discuss where you see decimals in daily life.