

Chapter

1

NUMBER SYSTEM



Learning Objectives

- To recall the decimal notation and to understand the place value in decimals.
- To learn the concepts of decimals as fractions with denominators of tens and its powers.
- To represent decimal numbers on number line.

Recap

Decimal Numbers

Kala and Kavin went to a stationery shop to buy pencils. Their conversation is given below.

Kala : What is the price of a pencil?

Shopkeeper : The price of a pencil is four rupees and fifty paise.

Kala : Ok sir. Give me a pencil.

Kavin : We usually express the bill amount in rupees and paise as decimals. So the price of a pencil can be expressed as ₹4.50. Here 4 is the integral part and 50 is the decimal part. The dot represents the decimal point.
(After a week of time in the class room)

Teacher : We have studied about fractions and decimal numbers in earlier classes. Let us recall decimals now. Kala and kavin, can you measure the length of your pencils?

Kavin : Both the pencils seem to be of same length. Shall we measure and check?

Kala : Ok Kavin. The length of my pencil is 4 cm 3 mm (Fig. 1.1).

Kavin : Length of my pencil is 4 cm 5 mm (Fig. 1.2).

Kala : Can we express these lengths in terms of centimetres?

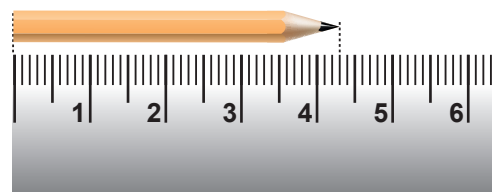


Fig. 1.1

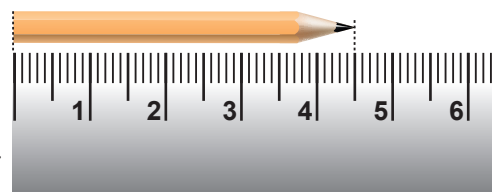


Fig. 1.2