

Tender Heart High School, Sec-33B, Chandigarh

Subject - Mathematics

Date - 16.12.2024

Class - V

Teacher - Ms. Sushma

Chapter - 11  
Measurement

Measurement of Length:-

Some units commonly used for measuring length are kilometre (Km), metre (m), centimetre (cm) and millimetre (mm).

The unit used depends on the length and height of the object that is to be measured.

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$$1 \text{ km} = 1000 \text{ m}$$

$$1 \text{ m} = 100 \text{ cm}$$

$$1 \text{ cm} = 10 \text{ mm}$$

To change from bigger units to smaller units, multiply.

To change from smaller units to bigger units divide.

Measurement of Mass:-

Some units commonly used for measuring mass are kilogram (kg), gram (g) and milligram (mg).

$$1 \text{ kg} = 1000 \text{ g}$$

$$1 \text{ g} = 1000 \text{ mg}$$

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Measurement of capacity  $\Rightarrow$

Some units commonly used for measuring capacity are litre (L) and millilitre (mL).

$$1 \text{ L} = 1000 \text{ mL}$$

## Exercise 11.1



### A. Fill in the blanks.

1.  $5.74 \text{ m} = \underline{5} \text{ m } \underline{74} \text{ cm}$

3.  $6.4 \text{ cm} = \underline{6} \text{ cm } \underline{4} \text{ mm}$

5.  $2.675 \text{ km} = \underline{2675} \text{ m}$

7.  $3.75 \text{ m} = \underline{375} \text{ cm}$

2.  $7.8 \text{ km} = \underline{7} \text{ km } \underline{800} \text{ m}$

4.  $9.21 \text{ km} = \underline{9} \text{ km } \underline{210} \text{ m}$

6.  $450 \text{ m} = \underline{0.45} \text{ km}$

8.  $915 \text{ cm} = \underline{9.15} \text{ m}$

### B. Complete the table.

|    | Measurement<br>(m and cm) | In bigger unit<br>(m) | In smaller unit<br>(cm) |
|----|---------------------------|-----------------------|-------------------------|
| 1. | 5 m 40 cm                 | 5.40 m                | 540 cm                  |
| 2. | <u>4 m 27 cm</u>          | <u>4.27 m</u>         | 427 cm                  |
| 3. | <u>16 m 5 cm</u>          | 16.05 m               | <u>1605 cm</u>          |
| 4. | 9 m 5 cm                  | <u>9.05 m</u>         | <u>905 cm</u>           |



## Exercise 11.2



### A. Fill in the blanks.

1.  $7.264 \text{ kg} = \underline{7} \text{ kg } \underline{264} \text{ g}$

2.  $5.008 \text{ kg} = \underline{5} \text{ kg } \underline{8} \text{ g}$

3.  $4\frac{1}{2} \text{ kg} = \underline{4500} \text{ g}$

4.  $1250 \text{ g} = \underline{1} \text{ kg } \underline{250} \text{ g}$

5.  $999 \text{ g} = \underline{0.999} \text{ kg}$

6.  $813 \text{ mg} = \underline{0.813} \text{ g}$

### B. Complete the table.

| Measurement<br>(kg and g) | In bigger unit<br>(kg) | In smaller unit<br>(g) |
|---------------------------|------------------------|------------------------|
| 1. 6 kg 300 g             | 6.300 kg               | 6300 g                 |
| 2. 5 kg 350 g             | <u>5.350 kg</u>        | <u>5350g</u>           |
| 3. <u>1 kg 350g</u>       | 7.35 kg                | <u>7350g</u>           |
| 4. <u>2 kg 595g</u>       | <u>2.595 kg</u>        | 2595 g                 |



## MEASUREMENT OF CAPACITY

Some units commonly used for measuring capacity are litre (L) and millilitre (mL).

litre (L) → basic unit of capacity

(used for measuring capacity of a large container)

millilitre (mL) → less than a litre

(used for measuring capacity of a small container)

