

**Unit : - Length (First week)**

**Number of Periods: - 08**

- Learn the pages 40 and 41 thoroughly. Write an example for each instance where the length, width, depth and thickness are used.
- Give 5 measuring instruments that are used to measure length.

Select the suitable measuring unit given below and match.

length	Measuring unit
Thickness of a coin	millimetre (mm)
Nimali's height	centimetre (cm)
Length and width of a book	metre (m)
Distance between two cities	kilometre (km)
Depth of a sea	

- Complete the exercise 15.2 on the pages 43, 44 and 45. Discuss the problems you face with your teacher and get them resolved.
- Learn the pages 45 and 46 of your text book.

Know that  $10 \text{ mm} = 1 \text{ cm}$ ,  $1 \text{ mm} = \frac{1}{10} \text{ cm}$  and  $1 \text{ mm} = 0.1 \text{ cm}$ .

**To express the length given in centimeters (cm) in terms of millimeters (mm), the number of centimeters needs to be multiplied by ten.**

Ex :- Express 7 cm in millimetres.

$$7 \text{ cm} = 7 \times 10 \text{ mm}$$

$$= 70 \text{ mm}$$

Show the lengths given below in millimeters.

- 1) 5 cm          2) 8 cm          3) 9 cm          4) 10 cm          5) 24 cm

- Show the lengths given below in centimeters and millimeters.

Ex :-          15 mm = 1 cm 5 mm

- 1) 12 mm          2) 25 mm          3) 37 mm          4) 95 mm          5) 105 mm

**To express the length given in millimeters (mm) in terms of centimeters (cm), the number of millimeters needs to be divided by ten.**

Ex :-          Express 80 mm in centimetres.

$$\begin{aligned}80 \text{ mm} &= \frac{80}{10} \text{ cm} \\ &= 8 \text{ cm}\end{aligned}$$

Show the lengths given below in centimeters.

- 1) 50mm          2) 70 mm          3) 150 mm          4) 380 mm          5) 550 mm

Select and match the suitable value from column B for each length given in column A..

A	B
7 cm	35 mm
3 cm 5 mm	70 mm
1 cm 9 mm	127 mm
12 cm 7 mm	19 mm
13 cm 8mm	138 mm

- Complete the exercise 15.3 on the pages 48 and 49 of the text book.

**To express the length given in meters (m) in terms of centimeters (cm), the number of meters needs to be multiplied by 100.**

Ex :- Express 8 m in centimetres.

$$\begin{aligned}8 \text{ m} &= 8 \times 100 \text{ cm} \\ &= 800 \text{ cm}\end{aligned}$$

Show the lengths given below in centimeters.

1) 7m

2) 6m 25cm

2) 3) 7m 18 cm

4) 6.75m

3) 5) 6.85m

**To express the length given in centimeters (cm) in terms of meters (m), the number of centimeters needs to be divided by 100.**

Ex :- Express 700 cm in metres (m)

$$700\text{cm} = \frac{700}{100} \text{ m}$$

$$= 7\text{m}$$

Show each length given below in meters (m).

1) 200 cm

2) 1100 cm

3) 79 cm

4) 900 cm

5) 241 cm

- Complete the exercise 15.4 on the pages 50 and 51 of the text book. Discuss the problems you face with your teacher and get them resolved.