

Chapter 4:LONG AND SHORT

CONVERSION BETWEEN UNITS OF LENGTH

CONVERSION BETWEEN HIGHER TO SMALLER UNITS

1) CONVERT 7 km 560 m INTO m

$$\textcircled{*} \quad 7 \text{ km } 560 \text{ m}$$

We know that,

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

$$\begin{aligned} \therefore 7 \text{ km } 560 \text{ m} &= (7 \times 1000) \text{ m} + 560 \text{ m} \\ &= 7000 \text{ m} + 560 \text{ m} \\ &= 7560 \text{ m}. \end{aligned}$$

$$\therefore 7 \text{ km } 560 \text{ m} = 7560 \text{ m}.$$

$$\textcircled{*} \quad 7 \text{ km } 560 \text{ m}.$$

We know that,

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

$$\begin{aligned} \therefore 7 \text{ km} &= (7 \times 1000) \text{ m} \\ &= 7000 \text{ m} \end{aligned}$$

$$\begin{aligned} \text{and } 7 \text{ km } 560 \text{ m} \\ &= 7000 \text{ m} + 560 \text{ m} \\ &= 7560 \text{ m}. \end{aligned}$$

$$\text{Ans) } \therefore 7 \text{ km } 560 \text{ m} = 7560 \text{ m}.$$

2) CONVERT 67m50cm INTO cm

WE KNOW, 1 m = 100 cm

Therefore,

$$\begin{aligned} 67 \text{ m } 50 \text{ cm} &= (67 \times 100)\text{cm} + 50\text{cm} \\ &= 6700\text{cm} + 50 \text{ cm} \\ &= 6750 \text{ cm} \end{aligned}$$

Ans: 6750cm

3) CONVERT 55cm8mm INTO mm

WE KNOW 1 cm = 10 mm

Therefore,

$$\begin{aligned} 55 \text{ cm } 8 \text{ mm} &= (55 \times 10) \text{ mm} + 8 \text{ mm} \\ &= 550 \text{ mm} + 8 \text{ mm} \\ &= 558 \text{ mm} \end{aligned}$$

Ans: 558 mm

CONVERSION BETWEEN SMALLER TO HIGHER UNITS

CONVERT FROM mm TO cm

Convert 'mm' to 'cm':-

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

Convert 573 mm to cm and mm.

We know, $10 \text{ mm} = 1 \text{ cm}$

$$\therefore 573 \text{ mm} = (573 \div 10) \text{ cm} = 57 \text{ cm } 3 \text{ mm}$$

$$\begin{array}{r} 57 \text{ cm} \\ \hline 10 \overline{) 573 \text{ mm}} \\ \underline{-50} \\ 73 \\ \underline{ 70} \\ 3 \text{ mm} \end{array}$$

CONVERT BETWEEN cm TO m

1) Convert cm into m :-

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

Convert 6700 cm into m

We know, $100\text{cm} = 1\text{m}$
 $\therefore 6700\text{cm} = (6700 \div 100)\text{m} = 67\text{m}$

$$\begin{array}{r} 67\text{m} \\ 100 \overline{) 6700} \\ \underline{- 600} \\ 700 \\ \underline{- 700} \\ 00 \\ \times \times \times \end{array}$$

SOLVE:

CONVERT :

1) 70 km into m

2) 560 cm into mm

THANK YOU