

# Chapter 4: Long and Short



**CONVERSION BETWEEN DIFFERENT UNITS  
OF LENGTH(BIGGER TO SMALLER)**

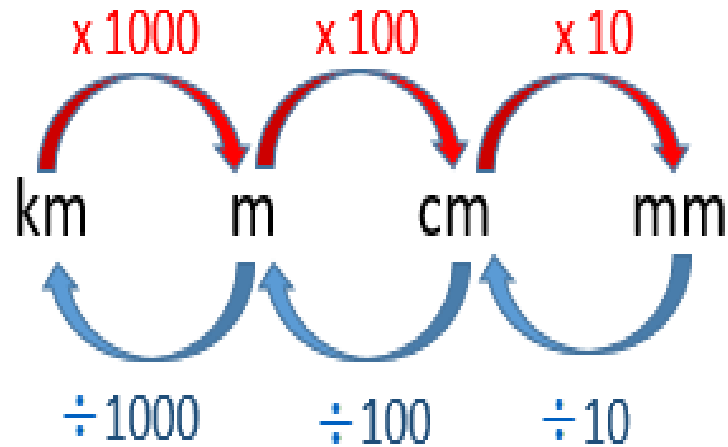
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**DATE: 14/7/21**

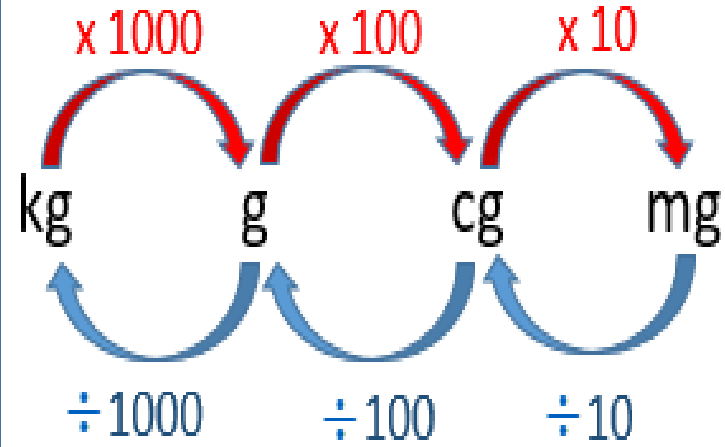
# Conversion Rule



## Converting Metric Lengths



## Converting Metric Weights



## Conversion Rule



While converting  
from **bigger unit** to  
**smaller unit** we have  
to **multiply**.

## Convert cm to mm



**1) Convert 15cm to mm**

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

**Therefore  $15\text{cm} = 15 \times 10 \text{ mm}$   
 $= 150 \text{ mm}$**

**Ans:  $15\text{cm} = 150\text{mm}$**

# Convert cm and mm into mm



**2) Convert 10 cm 2mm into mm**

**We know, 1 cm = 10mm**

**Therefore 10cm 2mm = 10cm + 2mm**  
**= 10x10mm + 2mm**  
**= 100mm + 2mm**  
**= 102 mm**

**Ans: 10cm 2mm = 102mm**

## Convert m to cm



**3) Convert 78 m into cm.**

**We know , 1 m = 100 cm**

**Therefore, 78 m = 78 x 100 cm**  
**= 7800cm**

**Ans: 78 m = 7800cm**

# Convert m and cm into cm



**4) Convert 34 m 23 cm into cm**

**We know,  $1\text{m} = 100\text{ cm}$**

$$\begin{aligned}\text{Therefore, } 34\text{ m } 23\text{cm} &= 34\text{m} + 23\text{ cm} \\ &= 34 \times 100\text{ cm} + 23\text{ cm} \\ &= 3400\text{ cm} + 23\text{ cm} \\ &= 3423\text{cm}\end{aligned}$$

**Ans)  $34\text{m } 23\text{cm} = 3423\text{ cm}$**

# Convert km to m



**5) Convert 234 km into m**

**We know,  $1\text{ km} = 1000\text{ m}$**

**Therefore  $234\text{ km} = 234 \times 1000\text{ m}$   
 $= 234000\text{ m}$**

**Ans:  $234\text{ km} = 234000\text{ m}$**

# Convert km and m into m



**6) Convert 12km 45m into m**

**We know, 1km = 1000m**

$$\begin{aligned}\text{Therefore, } 12\text{km } 45\text{m} &= 12 \text{ km} + 45 \text{ m} \\ &= 12 \times 1000\text{m} + 45\text{m} \\ &= 12000\text{m} + 45\text{m} \\ &= 12045\text{m}\end{aligned}$$

**Ans: 12km 45m = 12045m**

## CH4: LONG AND SHORT (WS47)

- 1) Standard unit of length is ..... (m / dam).
- 2) The distance from the tip of the thumb to the tip of the little finger on your outstretched hand is .....(Handspan / footspan).
- 3) The length of the arm from the elbow to the tip of the middle finger is ..... ( Cubit/ Palm)
- 4) Give two examples of ancient instruments to measure length.
- 5) Give two examples of modern instruments to measure length.
- 6) Give examples of two occupations where workers use measurement of length in their work.
- 7) Give one example in your daily life where measurement is needed.
- 8) Conversion:
  - a) Convert 67cm4m into mm
  - b) Convert 90km567m into m
  - c) Convert 88 m into cm