

# LENGTH

## A DEFINITION

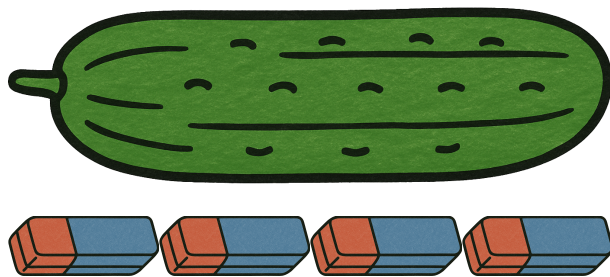
### Definition Length

**Length** is the distance from one point to another.

### Method Measure Length with Objects

To measure the length of an object, use small things like blocks or erasers. Line them up next to the object and count how many fit along its length.

**Ex:**



The cucumber measures 4 erasers long.

## B LENGTH UNITS

### Definition Units of Length

- Millimeter (mm): A very small unit of length, about the thickness of a coin.



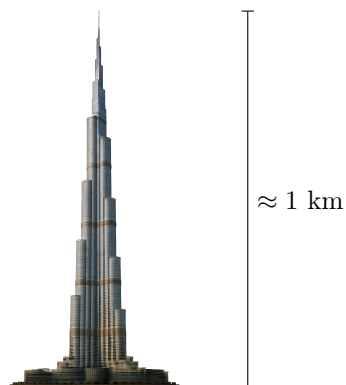
- Centimeter (cm): A small unit of length, about the width of your finger.



- Meter (m): A longer unit of length, about the height of a 6-year-old girl.



- Kilometer (km): A very long unit of length, about the height of the Burj Khalifa in Dubai, United Arab Emirates.



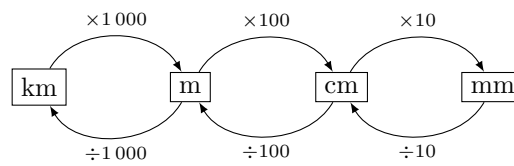
## C CONVERSION OF LENGTH UNITS

### Definition Conversion of Length Units

- $1 \text{ km} = 1000 \text{ m}$
- $1 \text{ m} = 100 \text{ cm}$
- $1 \text{ cm} = 10 \text{ mm}$

### Method Converting using a Multiplication or a Division

- Use **multiplication** to go from a bigger unit to a smaller one (like meters to centimeters).
- Use **division** to go from a smaller unit to a bigger one (like centimeters to meters).



### Method Converting Using a Table

To convert between units of length, we can use a conversion table. For example, to convert 1.2 meters to centimeters:

1. Write the units in the table: km, m, cm, mm.

km			m		cm	mm

2. Place the number in the column of the unit you start with.

km			m		cm	mm
			1.	2		

3. Fill in zeros in the columns to the right until you reach the unit you want to convert to.

km			m		cm	mm
			1.	2	0	

4. Read the number in the column of the target unit

So, 1.2 m = 120 cm.