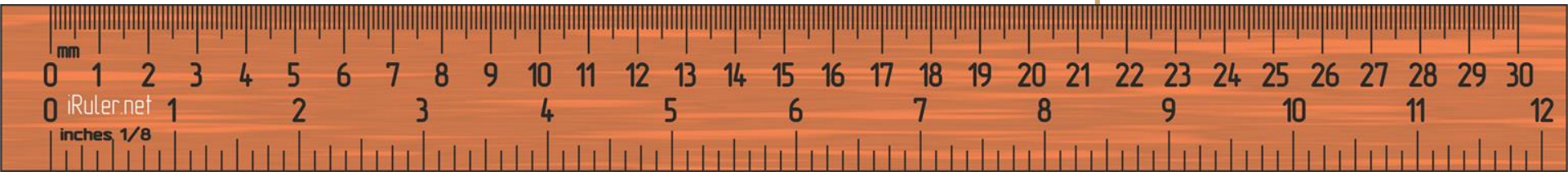


Measurement

Primary 3



Sharing Session - Pre-task

Pre-task Worksheet

Name: _____

Class: _____

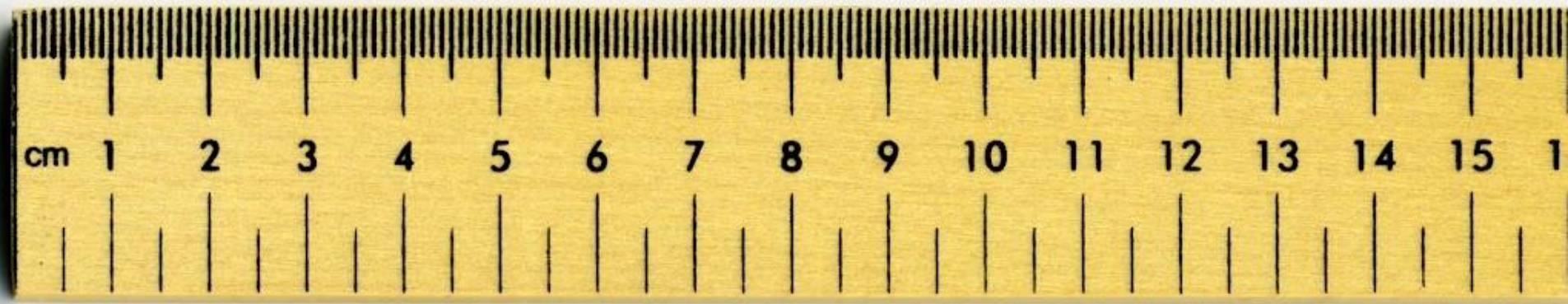


Use an octopus card to measure the following furnitures at your home.

			
Furnitures	Chair	Television	Table
No. of octopus cards (Height)			

Centimeters/millimeters

Do you know what these lines are representing?



Units

Millimeter (mm)

Centimeter (cm)

Meter (m)

Kilometer (km)



Units



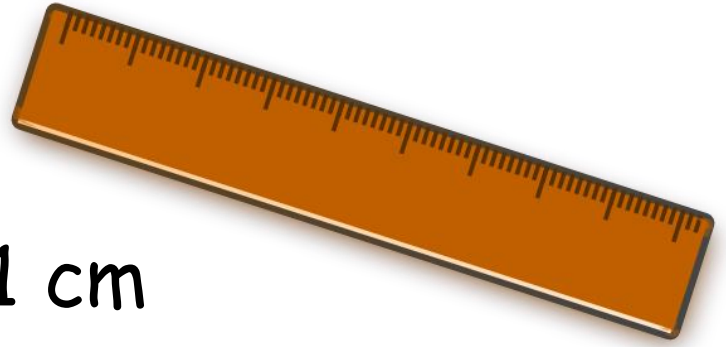
$\text{mm} < \text{cm} < \text{m} < \text{km}$

smallest

biggest



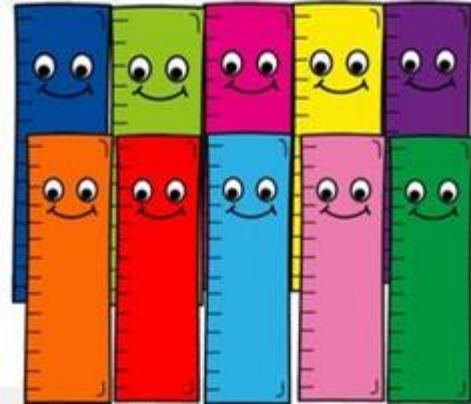
Units



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

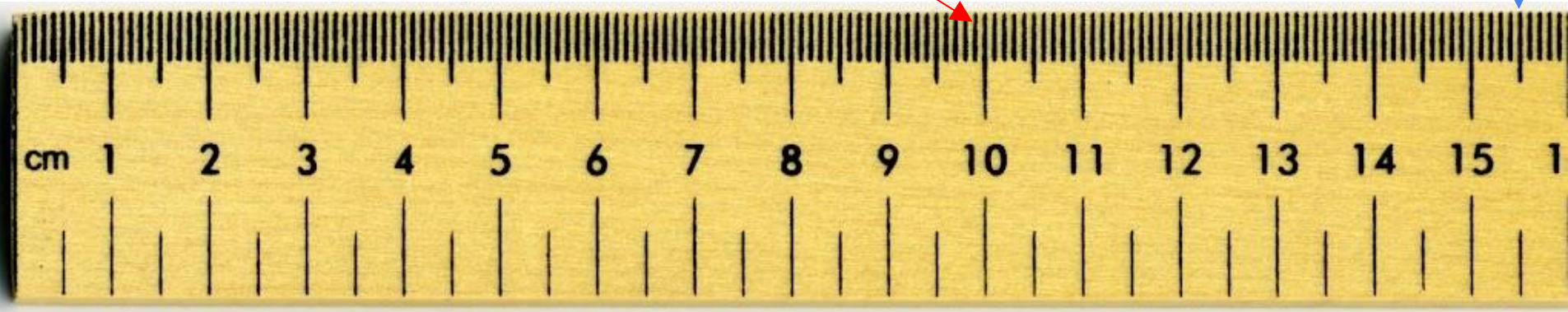
$$100 \text{ cm} = 1 \text{ m}$$

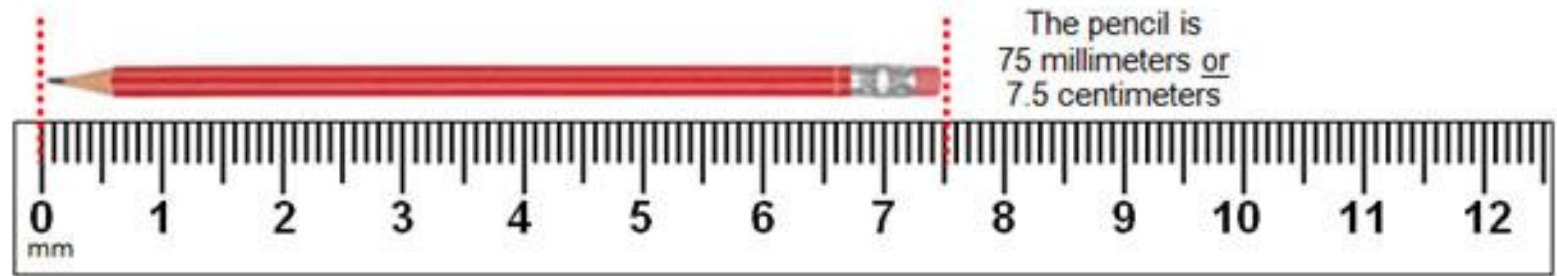
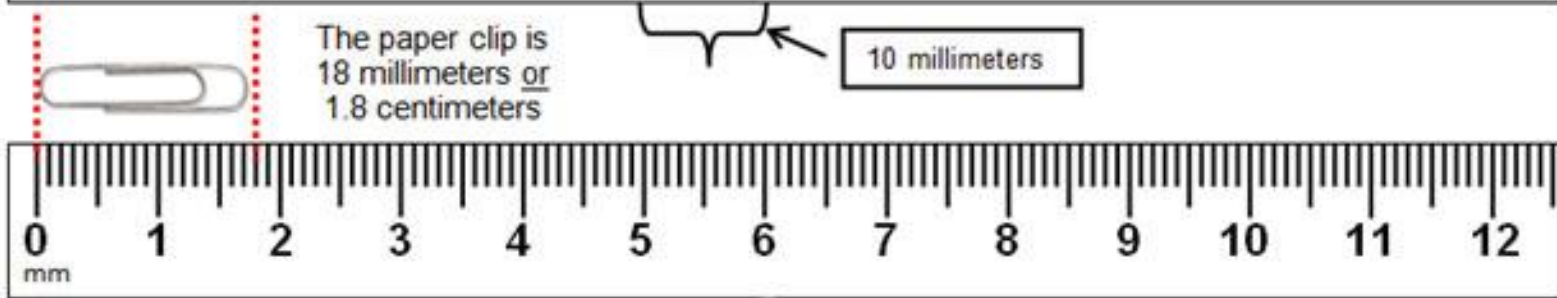
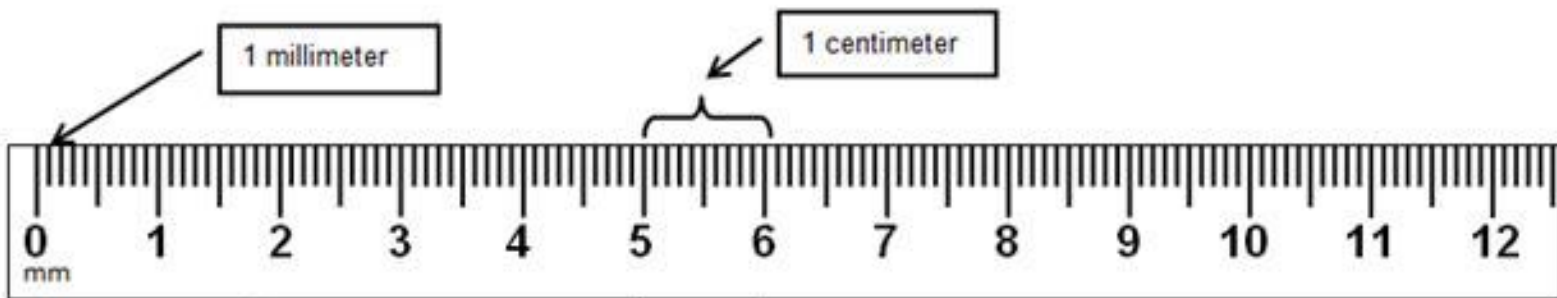
$$1000 \text{ m} = 1 \text{ km}$$



10 cm

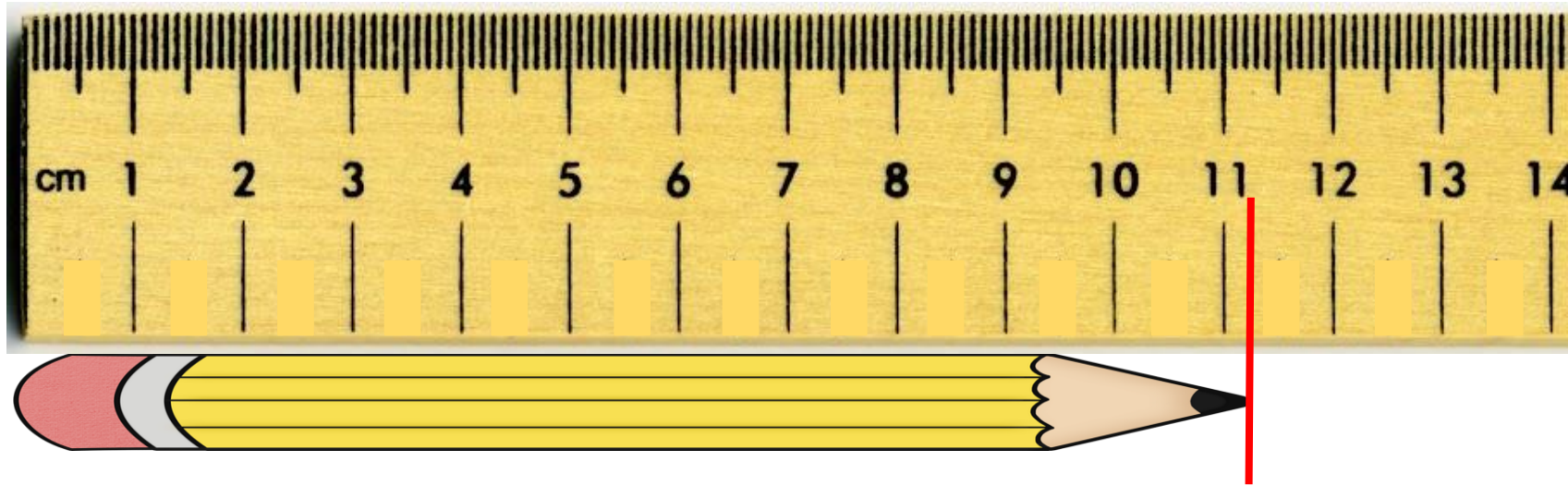
15.5 cm
= 15 cm + 0.5 cm





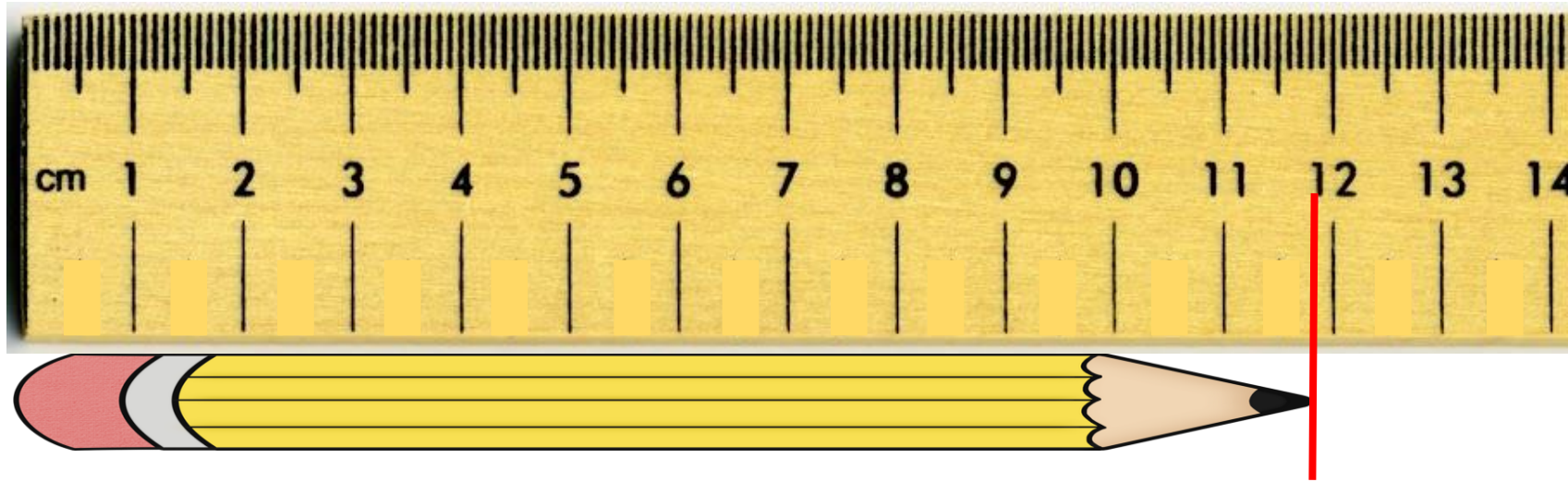
We use “about” for non-exact value

E.g. The pencil is about 11 cm.



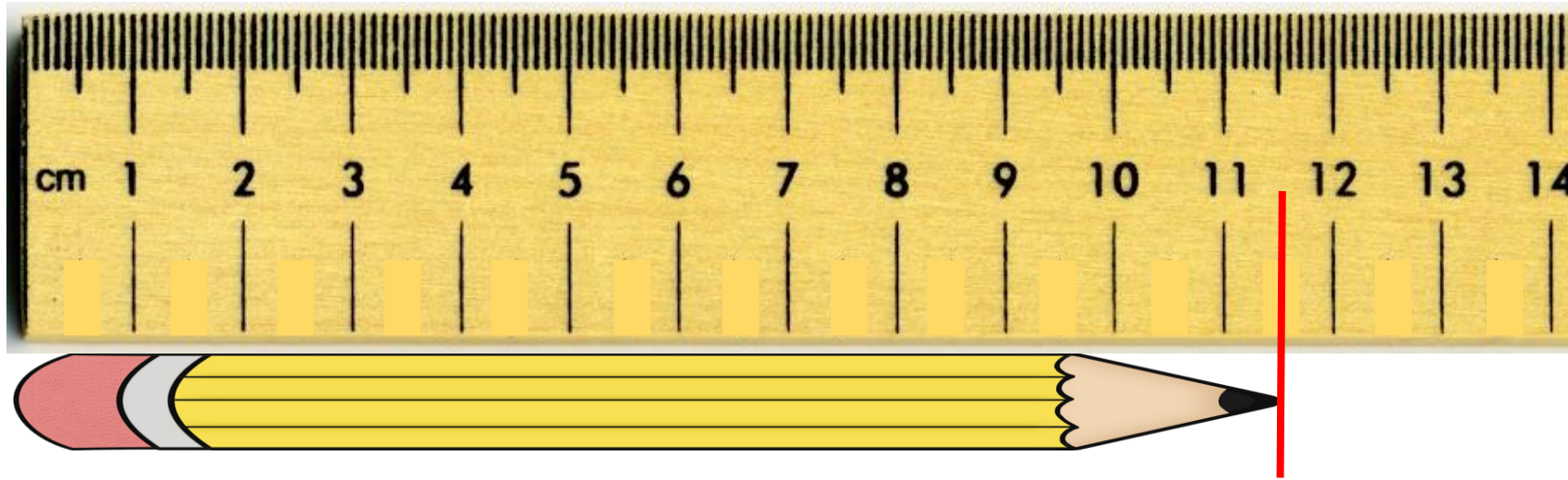
We use “about” for non-exact value

E.g. The pencil is about 12 cm.



We use “about” for non-exact value

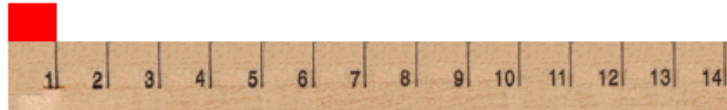
E.g. The pencil tip line between 11 and 12 cm, we still call it about 12 cm.



GAME TIME



Measurement Game



What is the length of the red line in centimeters?

- 3 centimeters
- 1 centimeter
- 5 centimeters
- 7 centimeters



FUNBRAIN.COM	
Correct	Incorrect
0	0

Change difficulty: [Harder](#)



3=0

Millimeter (mm)

We use millimeter to measure....

very very small objects!

E.g. One unit of rice is 2 mm long.

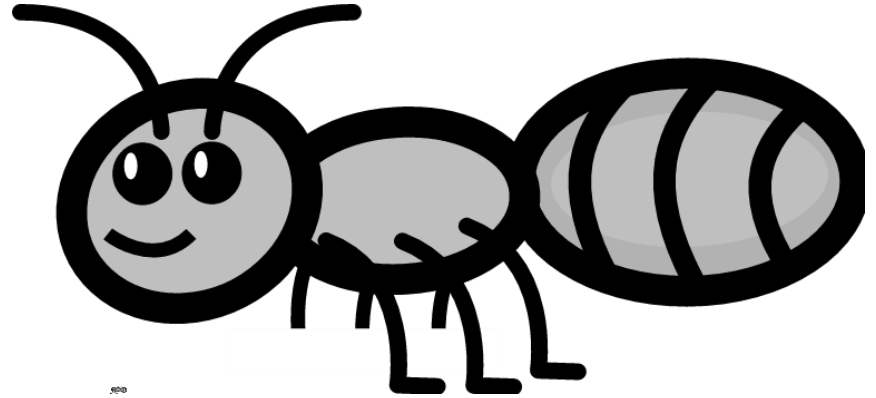


Millimeter (mm)

We use millimeter to measure....

very very small objects!

E.g. An ant is 2 mm long.



Centimeter (cm)

We use centimeter to measure....

Relatively small objects and short distance!

E.g. The length of my foot is about 24 cm.



Centimeter (cm)

We use centimeter to measure....

Relatively small objects and short distance!

E.g. The length of is 12 cm.



Meter (m)

We use millimeters to measure....

Relatively large objects or long distance!

E.g. The height of door is 2m.



Meter (m)

We use millimeters to measure....

Relatively large objects or long distance!

E.g. The height of traffic light is about 2 m.

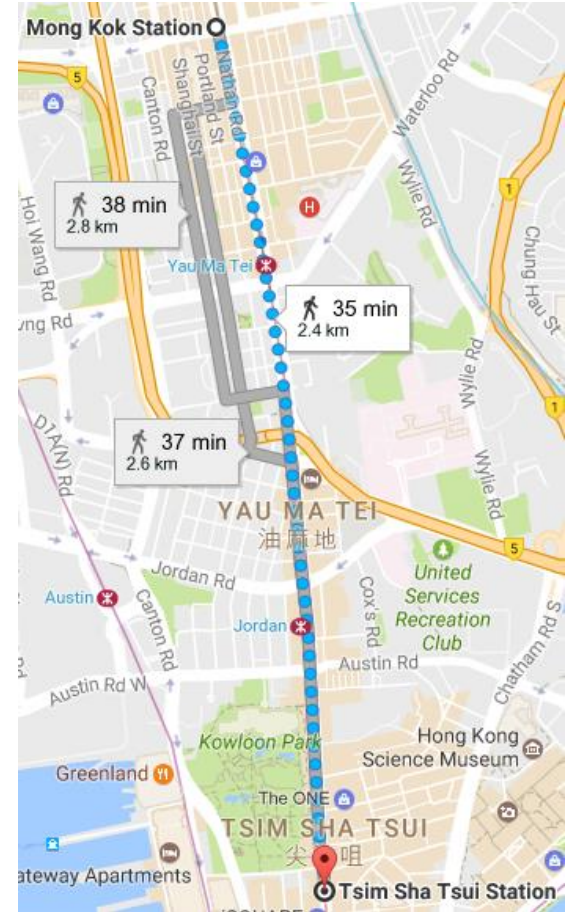


Kilometer (km)

We use kilometer to measure....

Very very large objects and very very long distances!

E.g. The distance between Mong Kok station and Tsim Sha Tsui station is 2.4 km.



Kilometer (km)

We use kilometer to measure....

Very very large objects and very very long distances!

E.g. Marathon runners run for 42 km.



Recap

—

Units



$\text{mm} < \text{cm} < \text{m} < \text{km}$

smallest

biggest



Millimeter (mm)

We use millimeter to measure....

very very small objects!

E.g. One unit of rice is 2 mm long.



Centimeter (cm)

We use centimeter to measure....

Relatively small objects and short distance!

E.g. The length of is 12 cm.



Meter (m)

We use millimeters to measure....

Relatively large objects or long distance!

E.g. The height of door is 2m.



Kilometer (km)

We use kilometer to measure....

Very very large objects and very very long distances!

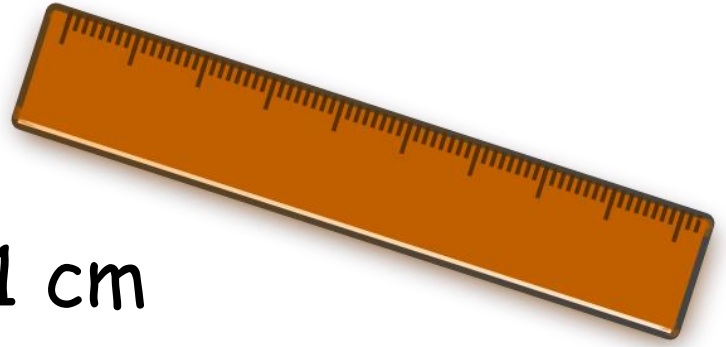
E.g. Marathon runners run for 42 km.



More about Units

—

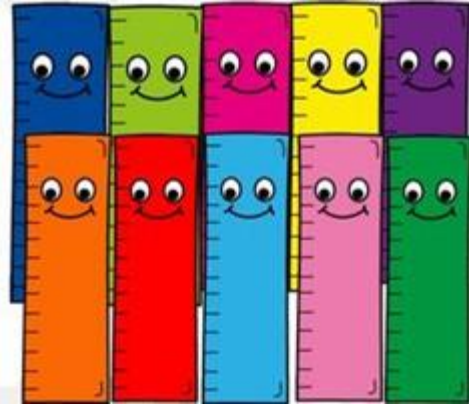
Units



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

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

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



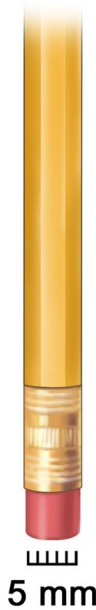
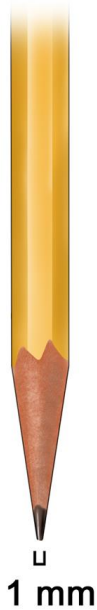
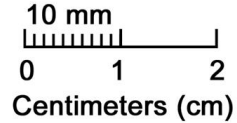
We use different units in different situation!



If we use wrong units to tell the length or the distance, it may become **unclear** or **clumsy**!

Let's see some real life examples!

We use **mm** to measure the tip of our pens!



Millimeters (mm)

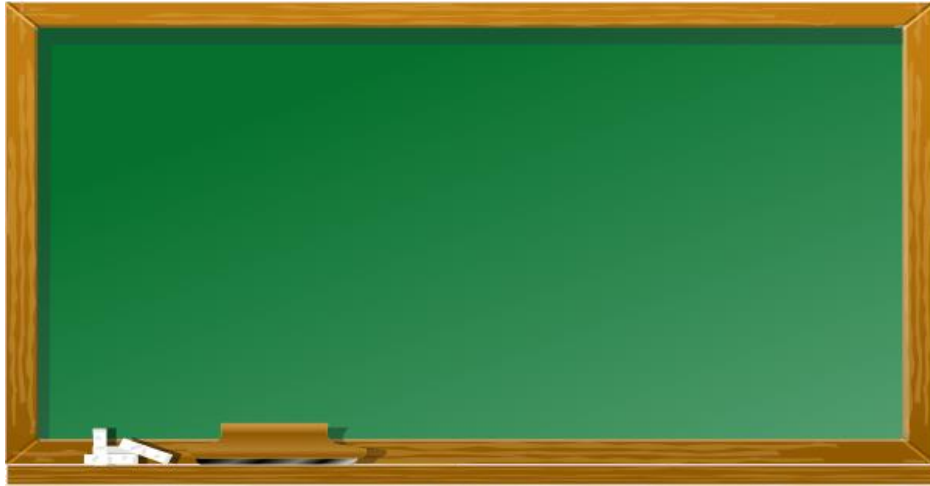
If we use m

The length would be presented as: **0.001 m**

Too clumsy and unclear!



We use **m** to measure the length of our blackboard!



If we use mm

The length would be presented
as: **2000 mm**

Too clumsy and unclear!

