

STD-IV

MEASUREMENT: -

① Units of measurement are

Km Hm Dam m Dm cm mm

② Kilometre (km) is the biggest unit of measurement.

③ Metre (m) is the standard unit of measurement.

④ Millimetre (mm) is the smallest unit of measurement.

⑤ Relation between the different units:-

$$1 \text{ km} = 10 \text{ Hm (Hectometre)}$$

$$1 \text{ km} = 100 \text{ Dam (Decametre)}$$

$$1 \text{ km} = 1000 \text{ m (Metre)}$$

$$1 \text{ km} = 10,000 \text{ Dm (Decimetre)}$$

$$1 \text{ km} = 1,00,000 \text{ cm (Centimetre)}$$

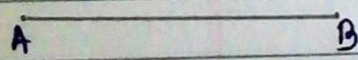
$$1 \text{ km} = 10,00,000 \text{ mm (Millimetre)}$$

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

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

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

⑥ Exercise - 9.1

c 1. 

It is the required line segment \overline{AB} whose length is 4cm Teacher's Signa

| | DISTANCE BETWEEN | ESTIMATED LENGTH | ACTUAL LENGTH |
|----|------------------|------------------|---------------|
| 1. | A and B | 2.2cm | 2cm |
| 2. | A and F | 3.4cm | 3cm |
| 3. | B and C | 3.5cm | 3cm |
| 4. | D and E | 5.5cm | 6cm |
| 5. | E and F | 9cm | 8cm |
| 6. | C and D | 3.4cm | 3cm |

HOTS question

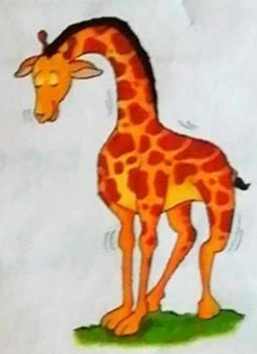


Estimate the length of the lines. Compare.

Tick (✓) the correct option.

- 1. Line A is longer than line B.
- 2. Line A is shorter than line B.
- 3. Line A is equal to line B.

We are shorter than you.



EXERCISE 9.1

A. Estimate the lengths of these objects. Use a scale to find their actual length.



Colour it if you get all your sums right.

| | OBJECT | ESTIMATED LENGTH | ACTUAL LENGTH |
|----|--------|------------------|---------------|
| 1. | | 1cm | 1.5cm |
| 2. | | 1cm | 1.3cm |
| 3. | | 2cm | 2.2cm |
| 4. | | 3cm | 2.5cm |
| 5. | | 3cm | 2.1cm |