

**Class: 4**

**Subject : Mathematics**

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### **Solution of measurement(10.1-10.4)**

1) **Answer to the following short question:**

- a. Answer: Length is the measurement of distance of an object from its first point to last point.
- b. Answer: km, m, cm and mm.
- c. Answer: Weight is the amount of heaviness of an object.
- d. Answer: kg and g.
- e. Answer: Volume is the amount of space contained within an object .
- f. Answer: dl and ml.

2) **Answer to F/B:**

- a) 1000. b) 1. c) 0.7 d) 1000 e) 5 f) 1000 g) 4200 h) ) 0.8

3) **Answer to True/False:**

- i) True ii) False iii) True iv) True v) True

4) **Answer:** 4000 m=4 km

$$700 \text{ m} = 0.7 \text{ km}$$

$$90 \text{ m} = 0.09 \text{ km}$$

$$5 \text{ m} = 0.005 \text{ km}$$

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$$\therefore 4795 \text{ m} = 4.795 \text{ km}$$

Ans: 4.795 km.

5) **Answer:** we know, 1 m=100 cm

$$1 \text{ m } 34 \text{ cm} = (100 + 34) \text{ cm}$$

$$= 134 \text{ cm}$$

Ans: 134 cm.

6) **Answer:** we know, 1 L=10 dl

$$2.5 \text{ L} = (2.5 \times 10) \text{ dl}$$

$$= 25 \text{ dl.}$$

Ans: 25 dl.

we know, 1 L=1000 ml

$$2.5 \text{ L} = (2.5 \times 1000) \text{ ml}$$

$$= 2500 \text{ ml.}$$

Ans: 2500 ml.



ANSWER: They ate 180 g and 0.18 kg.

3. Solution: Here, A rectangular room ,

Length is =6 cm

And Width = 4 cm

$$\begin{aligned}\text{We know, The perimeter of the rectangular room} &= 2 \times (\text{Length} + \text{Width}) \\ &= 2 \times (6+4) \text{ cm} \\ &= 2 \times 10 \text{ cm} \\ &= 20 \text{ cm}\end{aligned}$$

ANSWER: The perimeter of the rectangular room is 20 cm.

4. Solution: Here, A square,

Length = Width = 3 cm

$$\begin{aligned}\text{We know, The perimeter of a square} &= (\text{Length} \times \text{Width}) \\ &= (3 \times 3) \text{ cm}^2 \\ &= 9 \text{ cm}^2\end{aligned}$$

ANSWER: The perimeter of a square is  $9 \text{ cm}^2$  .

5. Solution: Here, A rectangular,

Length is = 7 cm

And Width = 2 cm

$$\begin{aligned}\text{We know, The perimeter of a rectangular} &= 2 \times (\text{Length} + \text{Width}) \\ &= 2 \times (7+2) \text{ cm} \\ &= 2 \times 9 \text{ cm} \\ &= 18 \text{ cm}\end{aligned}$$

ANSWER: The perimeter of a rectangular is 18 cm.

