

Class: 4 Subject : Mathematics Prepared by : Israt sultana Date: 17/8/2020

Solution of measurement(10.1-10.4)

1) Answer to the following short question:

- a. <u>Answer:</u> Length is the measurement of distance of an object from its first point to last point.
- b. <u>Answer:</u> km, m, cm and mm.
- c. <u>Answer:</u> 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 m = 0.7 km 90 m=0.09 km 5 m = 0.005 km (+)

:. 4795 m = 4.795 kmAns: 4.795 km.

5) Answer: we know, 1 m=100 cm1 m 34 cm = (100 + 34) cm = 134 cm

Ans: 134 cm.

6) Answer: we know,1 L=10 dl 2.5 L = (2.5×10) dl = 25 dl.

Ans: 25 dl.

we know,1 L=1000 ml $2.5 L = (2.5 \times 1000) ml$ = 2500 ml.Ans: 2500 ml.

7) Word problem:

1. Solution: Shaila drank,

<u>bolution.</u> Shana urank,	
Orange juice $= 500 \text{ ml}$	
Apple juice = 640 ml	
Lemon juice = 420 ml	
(+)	
Total $= 1560 \text{ ml}$	
We know, $1000 \text{ ml} = 10 \text{ dl}$	
$1 \text{ ml} = (10 \div 1000) \text{ dl}$	0.01
= 0.01 dl	<u>R.W:</u> 1000)1000
	1000
	0
\therefore 1560 ml = (1560 × 0.01) dl	1
= 15.6 dl	<u>R.W:</u> 1560
	× 0.01
	15.60
We know, $10 \text{ dl} = 1L$	
$1 \text{ dl} = (1 \div 10) \text{ L}$	0.1
= 0.1 L	<u>R.W:</u> 10)10
	10
	<u> </u>
: $15.6 L = (15.6 \times 0.1) L = 1.56 L$	<u>R.W:</u> 15.6
	× 0.01
	1.56
	1.20

<u>ANSWER:</u> Total juice she drank 1560 ml, 15.6 dl and 1.56 L. 2. <u>Solution:</u> We know, 1 kg = 1000 g.

Mr. Rahman bought_total meat = 1000 g

Remaining meat	= - 820 g
They ate meat	= 180 g

Again,

We know, 1000 g = 1 kg . 0.001 1 g = (1÷1000) kg R.W: 1000)1000 = 0.001 kg $\therefore 180$ g = (180 × 0.001) kg = 0.18 kg ANSWER: They ate 180 g and 0.18 kg.

3. <u>Solution:</u> Here, A rectangular room,

Length is =6 cm

And Width =
$$4 \text{ cm}$$

We know, The perimeter of the rectangular room = $2 \times (\text{Length} + \text{Width})$

= $2 \times (6+4)$ cm = 2×10 cm

$$= 20 \, \text{cm}$$

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

4. Solution: Here, A square,

Length = Width = 3 cm

We know, The perimeter of a square = (Length × Width) = (3×3) cm²

$$(3/13)$$
 $(3/13)$

 $= 9 \text{ cm}^2$

<u>ANSWER</u>: The perimeter of a square is 9 cm^2 .

5. Solution: Here, A rectangular,

Length is = 7 cm And Width = 2 cm We know, The perimeter of a rectangular = $2 \times (\text{Length} + \text{Width})$ = $2 \times (7+2)$ cm = 2×9 cm = 18 cm <u>ANSWER:</u> The perimeter of a rectangular is 18 cm.