ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019

CLASS – IV   SUBJECT- ARITHMETIC ANSWER WORKSHEET – 20   TOPIC – METRIC MEASUREMENTS (UNITS OF LENGTH)   DATE – 29.04.2020

1. **Convert the following into metres.**

    a) 26 km

    1 km = 1000 m

    Thus, 26 km = 26 x 1000 = 26000 m

    b) 15 km 40 m

    1 km = 1000 m

    15 km = 15 x 1000 = 15000 m

    $$+\ 40\ m$$

    15040 m

2. **Convert the following into centimetres.**

    a) 75 m

    1 m = 100 cm

    75 m = 75 x 100 = 7500 cm

    b) 68 m 21 cm

    1 m = 100 cm

    = (68 x 100) cm + 21 cm

    = 6800 cm + 21 cm

    = 6821 cm

    c) 146 m

    1 m = 100 cm

    146 m = 146 x 100

           = 14600 cm

3. **Convert the following into millimetres.**

    a) 18 cm

    1 cm = 10 mm

    18 cm = 18 x 10 = 180 mm

    b) 14 cm 7 mm

    1 cm = 10 mm

    = (14 x 10) mm + 7 mm

    = 140 mm + 7 mm

    = 147 mm

    c) 26 cm 9 mm

    1 cm = 10 mm

    = (26 x 10) mm + 9 mm

    = 260 mm + 9 mm

    = 269 mm

4. Convert the following into cm and mm.

<u>**One example is done for you.**</u>

645 mm

If 1 mm = $\frac{1}{10}$ cm

645 mm = 645 ÷ 10

= 64 cm 5 mm

$$\begin{array}{r} 64 \\ 10\,\overline{)645} \\ \underline{60} \\ 45 \\ \underline{40} \\ 5 \end{array}$$

a) 789 mm

789 mm = 789 ÷ 10

= 78 cm 9mm

b) 974 mm

974 mm = 974 ÷ 10

= 97 cm 4 mm

c) 621 mm

621 mm = 621 ÷ 10

= 62 cm 1 mm

5. Convert the following into km and m.

<u>**One example is done for you**</u>.

3425 m

If 1 m = $\frac{1}{1000}$ km

3425 m = 3425 ÷ 1000

= 3 km 425 m

$$\begin{array}{r} 3 \\ 1000\,\overline{)3425} \\ \underline{3000} \\ 425 \end{array}$$

a) 4624 m

4624 m = 4624 ÷1000

= 4 km 624 m

b) 72391 m

72391 m = 72391 ÷ 1000

= 72 km 391 m

c) 29012 m

29012 m = 29012 ÷1000

= 29 km 12 m

6. Solve: (Do not forget to write the answers)

a)	Km	m		b)	m	cm
	432	142			182	04
-	120	131		-	139	89
	312	11			42	15

Ans. <u>312 km 11 m</u>.   **Ans. <u>42 m 15 cm</u>**

c)

km	m	cm
23	142	40
15	380	16
+ 17	126	81
55	649	37

d)

m	cm	mm
28	45	9
117	80	7
+ 40	17	1
186	43	7

Ans. 55 km 649 m 37 cm   **Ans. 186 m 43 cm 7 mm**

7. A car travelled 24 km 28 m on the first day, 26 km 500 m on the second day and 25 km 45 m on third day. What is the total distance covered by the car?

Distance travelled by a car on the first day	24 km 28 m
Distance travelled by a car on second day	26 km 500 m
Distance travelled by a car on third day	+25 km 45 m
∴ Total distance covered by the car	75 km 573 m

Ans. 75 km 573 m is the total distance covered by the car.

8. Aaryan bought 9 m 80 cm of cloth. He used 4 m 40 cm from it. How much cloth is left?

Length of the cloth	9 m 80 cm
Length of the cloth used	- 4 m 40 cm
∴ Length of the cloth left	5 m 40 cm

Ans. 5 m 40 cm cloth is left.

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