



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019

CLASS – IV SUBJECT- ARITHMETIC ANSWER WORKSHEET – 21 TOPIC – METRIC MEASUREMENTS (UNITS OF LENGTH) DATE – 30.04.2020

## 1. Convert the following into km and m.

One example is done for you.

$$2856 \text{ m}$$

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

$$\begin{aligned} 2856 \text{ m} &= 2856 \div 1000 \\ &= 2 \text{ km } 856 \text{ m} \end{aligned}$$

$$\begin{array}{r} 2 \\ 1000 \overline{) 2856} \\ \underline{2000} \\ 856 \end{array}$$

a) 4319 m

$$\begin{aligned} 4319 \text{ m} &= 4319 \div 1000 \\ &= 4 \text{ km } 319 \text{ m} \end{aligned}$$

b) 26825 m

$$\begin{aligned} 26825 \text{ m} &= 26825 \div 1000 \\ &= 26 \text{ km } 825 \text{ m} \end{aligned}$$

## 2. Convert the following into millimetres.

a) 46 cm

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

$$46 \text{ cm} = 46 \times 10 = 460 \text{ mm}$$

b) 18 cm 9 mm

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

$$= (18 \times 10) \text{ mm} + 9 \text{ mm}$$

$$= 180 \text{ mm} + 9 \text{ mm}$$

$$= 189 \text{ mm}$$

c) 280 cm 4 mm

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

$$= (280 \times 10) \text{ mm} + 4 \text{ mm}$$

$$= 2800 \text{ mm} + 4 \text{ mm}$$

$$= 2804 \text{ mm}$$

## 3. Convert the following into centimetres.

a) 14 m 2 cm

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

$$= (14 \times 100) \text{ cm} + 2 \text{ cm}$$

$$= 1400 \text{ cm} + 2 \text{ cm}$$

$$= 1402 \text{ cm}$$

b) 892 m 86 cm

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

$$= (892 \times 100) \text{ cm} + 86 \text{ cm}$$

$$= 89200 \text{ cm} + 86 \text{ cm}$$

$$= 89286 \text{ cm}$$

c) 259 m

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

$$259 \text{ m} = 259 \times 100 = 25900 \text{ cm}$$

#### 4. Convert the following into cm and mm.

One example is done for you.

428 mm

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

$$428 \text{ mm} = 428 \div 10$$

$$= 42 \text{ cm } 8 \text{ mm}$$

$$\begin{array}{r} 42 \\ 10 \overline{) 428} \\ \underline{40} \phantom{0} \\ 28 \\ \underline{20} \\ 8 \end{array}$$

a) 823 mm

$$823 \text{ mm} = 823 \div 10$$

$$= 82 \text{ cm } 3 \text{ mm}$$

b) 767 mm

$$767 \text{ mm} = 767 \div 10$$

$$= 76 \text{ cm } 7 \text{ mm}$$

c) 981 mm

$$981 \text{ mm} = 981 \div 10$$

$$= 98 \text{ cm } 1 \text{ mm}$$

#### 5. Convert the following into metres.

a) 650 km

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

$$650 \text{ km} = 650 \times 1000 = 650000 \text{ m}$$

b) 32 km 15 m

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

$$= (32 \times 1000) \text{ m} + 15 \text{ m}$$

$$= 32000 \text{ m} + 15 \text{ m}$$

$$= 32015 \text{ m}$$

**6. Arrange vertically and add:**

a) 124 m 58 cm, 480 m 85 cm, 563 m 24 cm

m	cm
124	58
480	85
+ 563	24
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1168	67

**Ans. 1168 m 67 cm**

b) 812 km 246 m, 143 km 025 m, 15 km 340 m

Km	m
812	246
143	025
+ 15	340
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970	611

**Ans. 970 km 611 m**

c) 423 m 25 cm 9 mm and 38 m 14 cm 7 mm

m	cm	mm
423	25	9
+ 38	14	7
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461	40	6

**Ans. 461 m 40 cm 6 mm**

**7. Find the difference between:**

a) 805 km 95 m and 347 km 76 m

Km	m
805	95
- 347	76
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458	19

**Ans. 458 km 19 m**

b) 432 km 6 m and 624 km 986 m

Km	m
624	986
- 432	6
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192	980

**Ans. 192 km 980 m**

8. Ramu cut-off 85 cm of cloth from a big piece of 4 m 20 cm. Find the length of the remaining piece.

$$\begin{array}{r|l} \text{Length of the cloth} & 4 \text{ m } 20 \text{ cm} \\ \text{Length of the cut-off cloth} & \underline{- 85 \text{ cm}} \\ \hline \therefore \text{Length of the remaining piece} & 3 \text{ m } 35 \text{ cm} \end{array}$$

**Ans.** The length of the remaining piece is 3 m 35 cm.

9. I travelled to Delhi 130 km 25 m by bus and then 82 km 14 m by taxi. How much distance did I travel in all?

$$\begin{array}{r|l} \text{Distance covered by bus} & 130 \text{ km } 25 \text{ m} \\ \text{Distance covered by Taxi} & \underline{+ 82 \text{ km } 14 \text{ m}} \\ \hline \therefore \text{Distance I travelled in all} & 212 \text{ km } 39 \text{ m} \end{array}$$

**Ans.** I travelled 212 km 39 m in all.