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Solution Sheet-1 (15.06.2020)

Class 4 Math

Chapter 10: Measurement

1. Fill in the blanks:

(i) $1 \text{ mm} = 0.1 \text{ cm}$

$$7 \text{ mm} = 7 \times 0.1 \text{ cm}$$

$$= 0.7 \text{ cm (answer)}$$

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

$$5.3 \text{ km} = 5.3 \times 1000 \text{ m}$$

$$= 5300 \text{ m (answer)}$$

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

$$4 \text{ m} = 4 \times 100 \text{ cm}$$

$$= 400 \text{ cm}$$

So $4 \text{ m } 12 \text{ cm} = 400 \text{ cm} + 12 \text{ cm}$

$$= 412 \text{ cm (answer)}$$

(iv) $1 \text{ m} = 0.001 \text{ km}$

$$5 \text{ m} = 5 \times 0.001 \text{ km}$$

$$= 0.005 \text{ km}$$

So $8 \text{ km } 5 \text{ m} = 8 \text{ km} + 0.005 \text{ km}$

$$= 8.005 \text{ km (answer)}$$

(v) $1 \text{ cm} = 10 \text{ mm}$

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

$$= 100 \text{ mm}$$

So $10 \text{ cm } 9 \text{ mm} = 100 \text{ mm} + 9 \text{ mm}$

$$= 109 \text{ mm (answer)}$$

2. 3 Sides are 6 cm, 4 cm and 5 cm 4 mm = 5.4 cm

$$\begin{aligned}\text{Therefore the perimeter} &= 6 + 4 + 5.4 \text{ cm} \\ &= 15.4 \text{ cm (answer)}\end{aligned}$$

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

$$\begin{aligned}15.4 \text{ cm} &= 15.4 \times 10 \text{ mm} \\ &= 154 \text{ mm (answer)}\end{aligned}$$

3. Length = 15 m and Width = 10 m

$$\begin{aligned}\text{The perimeter is} &= \text{length} \times 2 + \text{width} \times 2 \\ &= 15 \times 2 + 10 \times 2 \text{ m} \\ &= 30 + 20 \text{ m} \\ &= 50 \text{ m (answer)}\end{aligned}$$

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

$$\begin{aligned}50 \text{ m} &= 50 \times 100 \text{ cm} \\ &= 5000 \text{ cm (answer)}\end{aligned}$$

4. She walks 860 m

$$= 0.860 \text{ km}$$

Rides 5.6 km

$$\text{Total} = 0.860 + 5.6 \text{ km}$$

$$= 6.460 \text{ km}$$

$$\text{Remains to go} = 7.8 - 6.460 \text{ km}$$

$$= 1.340 \text{ km (answer)}$$

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

$$\begin{aligned}1.340 \text{ km} &= 1.340 \times 1000 \text{ m} \\ &= 1340 \text{ m (answer)}\end{aligned}$$