

Do Exercise- Self Practice 9A in your copy.



Self Practice 9A

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1. Fill in the blanks.

(a) 9 m = _____ cm

(b) 7 km = _____ m

(c) 37 km = _____ m

(d) 5 m 36 cm = _____ cm

(e) 24 m 8 cm = _____ cm

(f) 2 km 264 m = _____ m

Solution 1:- (a) 9 m = 900 cm

∴ 1m = 100 cm

∴ 9 m = 9 x 100 cm = 900 cm

(c) 37 Km = 37,000 m

∴ 1Km = 1000 m

∴ 37 Km = 37 x 1000 m = 37,000 m

(e) 24 m 8 cm = 2,408 cm

∴ 1m = 100 cm

∴ 24 m 8cm = 24 x 100 cm + 8 cm

= 2400 cm + 8 cm

= 2,408 cm

(f) 2 Km 264 m = 2,264 m

∴ 1Km = 1000 m

∴ 2 Km 264 m = 2 x 1000 m + 264 m

= 2000 m + 264 m

= 2,264 m

In Q1. (b) and (d) are homework

2. Complete the following table.

(a)	Centimetres	Metres	Centimetres
(i)	400	4	0
(ii)	650		
(iii)	238	2	38
(iv)	965		
(v)	2425	24	25

Solution 2:- (A) Converting cm into m and cm

(i) 400 cm

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

$$\begin{aligned}\therefore 400 \text{ cm} &= \frac{400}{100} \text{ m} \\ &= 4 \text{ m } 00 \text{ cm} \\ &= 4 \text{ m}\end{aligned}$$

(iii) 238 cm

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

$$\begin{aligned}\therefore 238 \text{ cm} &= \frac{238}{100} \text{ m} \\ &= 2 \text{ m} + 38 \text{ cm} \\ &= 2 \text{ m } 38 \text{ cm}\end{aligned}$$

(v) 2425 cm

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

$$\begin{aligned}\therefore 2425 \text{ cm} &= \frac{2425}{100} \text{ m} \\ &= 24 \text{ m} + 25 \text{ cm} \\ &= 24 \text{ m } 25 \text{ cm}\end{aligned}$$

**In Q2 (A). (ii) and (iv) are
homework**

(b)	Metres	Kilometres	Metres
(i)	3200	3	200
(ii)	7501		
(iii)	6540	6	540
(iv)	8003		
(v)	7847	7	847

Solution 2 :- (B) Converting m into km and m

(i) 3200 m

$$\because 1\text{m} = \frac{1}{1000} \text{ Km}$$

$$\begin{aligned} \therefore 3200 \text{ m} &= \frac{3200}{1000} \text{ Km} \\ &= 3 \text{ Km} + 200 \text{ m} \\ &= 3 \text{ Km } 200 \text{ m} \end{aligned}$$

(iii) 6540 m

$$\because 1\text{m} = \frac{1}{1000} \text{ Km}$$

$$\begin{aligned} \therefore 6540 \text{ m} &= \frac{6540}{1000} \text{ Km} \\ &= 6 \text{ Km} + 540 \text{ m} \\ &= 6 \text{ Km } 540 \text{ m} \end{aligned}$$

(v) 7847 m

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

$$\begin{aligned} \therefore 7847 \text{ m} &= \frac{7847}{1000} \text{ Km} \\ &= 7 \text{ Km} + 847 \text{ m} \\ &= 7 \text{ Km } 847 \text{ m} \end{aligned}$$

In Q2 (B). (ii) and (iv) are homework