



Exercise 3A

(ii) Converting the given decimals into like decimals, we get:

0.50, 5.50, 5.05, 0.05, 5.55

Clearly, $0.05 < 0.50 < 5.05 < 5.50 < 5.55$

Hence, the given decimals in ascending order are 0.05, 0.5, 5.05, 5.5 and 5.55.

(iii) Converting the given decimals into like decimals, we get:

6.84, 6.48, 6.80, 6.40, 6.08

Clearly, $6.08 < 6.40 < 6.48 < 6.80 < 6.84$

Hence, the given decimals in ascending order are 6.08, 6.4, 6.48, 6.8 and 6.84.

(iv) Converting the given decimals into like decimals, we get:

2.200, 2.202, 2.020, 22.200, 2.002

Clearly, $2.002 < 2.020 < 2.200 < 2.202 < 22.200$

Hence, the given decimals in ascending order are 2.002, 2.02, 2.2, 2.202 and 22.2.

Q7

Answer :

(i) Converting the given decimals into like decimals, we get:

7.40, 8.34, 74.40, 7.44, 0.74

Clearly, $74.40 > 8.34 > 7.44 > 7.40 > 0.74$

Hence, the given decimals in descending order are 74.4, 8.34, 7.44, 7.4 and 0.74.

(ii) Converting the given decimals into like decimals, we get:

2.600, 2.260, 2.060, 2.007, 2.300

Clearly, $2.600 > 2.300 > 2.260 > 2.060 > 2.007$

Hence, the given decimals in descending order are 2.6, 2.3, 2.26, 2.06 and 2.007.

Q8

Answer :

$$45 \text{ mm} = \frac{45}{10} \text{ cm} = 4.5 \text{ cm}$$

$$= 4.5 \text{ cm} = \frac{4.5}{100} \text{ m} = 0.045 \text{ m}$$

$$= 0.045 \text{ m} = \frac{0.045}{1000} \text{ km} = 0.000045 \text{ km}$$

$$\therefore 45 \text{ mm} = 4.5 \text{ cm} = 0.045 \text{ m} = 0.000045 \text{ km}$$

Q9

Answer :

We have:

$$(i) 8 \text{ paise} = \text{Rs } \frac{8}{100} = \text{Rs } 0.08$$

$$(ii) 9 \text{ rupees } 75 \text{ paise} = \text{Rs } \left(9 + \frac{75}{100} \right) = \text{Rs } (9 + 0.75) = \text{Rs } 9.75$$

$$(iii) 8 \text{ rupees } 5 \text{ paise} = \text{Rs } \left(8 + \frac{5}{100} \right) = \text{Rs } (8 + 0.05) = \text{Rs } 8.05$$

Q10

Answer :

We have:

$$(i) 65 \text{ m} = \frac{65}{1000} \text{ km} = 0.065 \text{ km}$$

$$\therefore 65 \text{ m} = 0.065 \text{ km}$$

$$(ii) 284 \text{ m} = \frac{284}{1000} \text{ km} = 0.284 \text{ km}$$

$$(iii) 3 \text{ km } 5 \text{ m} = \left(3 + \frac{5}{1000} \right) = (3 + 0.005) = 3.005 \text{ km}$$

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