



Exercise 7D

Q14

Answer :

Converting the given decimals into like decimals, then adding and, finally, subtracting:

$$\begin{array}{r} 7.666 \\ + 6.770 \\ \hline 14.436 \end{array}$$

$$\begin{aligned} & (76.300) - (7.666 + 6.770) \\ &= 76.300 - 14.436 \\ &= 61.864 \end{aligned}$$

$$\begin{array}{r} 76.300 \\ - 14.436 \\ \hline 61.864 \end{array}$$

Q15

Answer :

In order to get the number that must be added to 74.5 to get 91, we must subtract 74.5 from 91.0.

$$\begin{array}{r} 91.0 \\ - 74.5 \\ \hline 16.5 \end{array}$$

Thus, 16.5 is the required number.

Q16

Answer :

In order to get the number that must be subtracted from 7.300 to get .0862, we have to subtract 0.862 from 7.300.

$$\begin{array}{r} 7.300 \\ - 0.862 \\ \hline 6.438 \end{array}$$

Thus, 6.438 is the required number.

Q17

Answer :

In order to get the number by which 23.754 must be increased to get 50, we have to subtract 23.754 from 50.000.

$$\begin{array}{r} 50.000 \\ -23.754 \\ \hline 26.246 \end{array}$$

Q18

Answer :

In order to get the number by which 84.50 must be decreased to get 27.84, we have to subtract 27.84 from 84.50.

$$\begin{array}{r} 84.50 \\ -27.84 \\ \hline 56.66 \end{array}$$

Q19

Answer :

Weight of Neelam's school bag = 6080 g {Converting into grams: 6 kg + 80 g = (6000 + 80) g = 6080 g}

Weight of Garima's school bag = 5265 g {Converting into grams: 5 kg + 265 g = (5000 + 265)g = 5265 g}

Difference of the weights of bags = 815 g

Thus, the weight of Neelam's school bag is more than that of Garima's school bag by 815 grams, i.e. by 0.815 kg.

Q20

Answer :

Cost of the notebook = Rs 19.75
Cost of the pencil = Rs 3.85
Cost of the pen = + Rs 8.35
Total cost payable = Rs 31.95

Total money paid = Rs 50.00
Total money spent = Rs 31.95
Balance = Rs 18.05

Thus, Kunal got back Rs 18.05 from the shopkeeper.

Q21

Answer :

Weight of the fruits = 5 kg 075 g
Weight of the vegetables = + 3 kg 465 g
Total weight of the contents of the bag = 8 kg 540 g

Total weight of the bag with its contents = 9 kg 000 g
Total weight of the contents of the bag = 8 kg 540 g
Weight of the empty bag = 0 kg 460 g
Thus, the weight of the empty bag is 460 grams.

Q22

Answer :

Converting into metres:

10 km 65 m = $(10 + 0.065)$ m = 10.065 m
3 km 75 m = $(3 + 0.075)$ m = 3.075 m

Distance covered by the scooter = 10.065 km
Distance covered by the bus = + 3.075 km
Total distance covered by the bus and the scooter = 13.140 km

Total distance between the house and the office = 14.000 km
Total distance covered by the bus and the scooter = 13.140 km
Distance covered on foot = 0.860 km

∴ Distance covered by walking = 0.860 km = 860 metres

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