Exercise 7D

Q14

Answer :

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

```
    7.666
+   6.770
   14.436
```

$(76.300) - (7.666 + 6.770)$
$= 76.300 - 14.436$
$= 61.864$

```
   76.300
-  14.436
   61.864
```

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.

```
    91.0
-   74.5
    16.5
```

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.

```
    7.300
-   0.862
    6.438
```

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.

```
   50.000
 −23.754
   26.246
```

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.

```
   84.50
 −27.84
   56.66
```

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

********** END *********