

Problem 8 : Rohit travelled 5 km 52 m by bus, 3 km 265 m by car and 1 km 30 m on foot. How much distance did he travel in km?

Solution : Distance travelled by bus
= 5 km 52m = 5.052 km

Distance travelled by car
= 3 km 265m = 3.265 km

Distance travelled of foot
= 1 km 30m = 1.030 km

Total distance travelled by Rohit
= 5.052 + 3.265 + 1.030 = 9.347

Thus, Rohit travelled 9.347 km distance at all.

Problem 9 : Samson travelled 16.52 km by bus, 31.46 km by auto rickshaw and walked 1.45 km. Find the total distance covered by him.

Solution : Distance travelled by bus
= 16.520 km

Distance travelled by auto = 31.460 km
Distance walked = 1.450 km

Total distance = 16.520 km + 31.460 km
+ 1.450 km

So,

16.520 km
31.460 km
+ 1.450 km
49.430 km

Samson covered 49.430 km in total.

Problem 10 : Rashmi had ₹48.50. She bought a pen for ₹20.50 and a ruler for ₹10.50. Find the amount left with her.

Solution : Cost of pen = ₹ 20.50
Cost of ruler = ₹ 10.50
Total cost = ₹ 20.50 + 10.50 = ₹ 31

Total money Rashmi had = ₹ 48.50

Money spent = ₹ 31.00

Money left = ₹ 48.50 - ₹ 31

₹ 48.50
- ₹ 31.00
₹ 17.50

Thus, ₹ 17.50 is left with her.

● EXERCISE 6.2

1. Convert the following fraction into decimals.

(a) $\frac{35}{10}$

(b) $\frac{4}{10}$

(c) $22\frac{1}{100}$

(d) $4\frac{3}{1000}$

(e) $\frac{33}{100}$

(f) $5\frac{6}{10}$

(g) $1\frac{5}{100}$

(h) $\frac{90}{1000}$

2. Convert the following fractions into decimals by changing the denominator to a multiple of 10.

(a) $\frac{5}{7}$

(b) $\frac{15}{50}$

(c) $\frac{39}{200}$

(d) $\frac{9}{128}$

3. Convert the following fractions into decimals by long division method.

(a) $\frac{3}{4}$

(b) $\frac{2}{5}$

(c) $\frac{1}{8}$

(d) $\frac{12}{25}$

4. Convert the following decimals into fractions :

(a) 3.55

(b) 4.96

(c) 16.35

(d) 25.750

5. Add the following :

(a) 4.56 + 7.9

(b) 10.90 + 34.97

(c) 11.98 + 34.56 + 23.22

6. Find the difference :

(a) 34.56 - 23.22

(b) 123.32 - 29.572

(c) 454.98 - 36.7756

(d) 567.67 - 234.55