

20-4-2024

Q

Math

Unit 1

Ex 1.3

Q1 On his last bank statement, Qasim had a house balance of Rs 175,000 in his checking account. He wrote one cheque for Rs 45,790 and another for Rs 112,921. What is his current balance?

Given,

Last bank statement = 1,75,000.

First He wrote first cheque = 45,790

He wrote Second cheque = 112,921.

Find, What is the current balance.

Sol:-

$$\begin{aligned} & 175,000 - 112,921 - 45,790 \\ & = 16,289 \text{ will be the current balance.} \end{aligned}$$

Q2 Last Week Wajid drove 283.4 km on 16.2 liters of petrol. He says that he averaged about 1.75 km/liter. Is his answer reasonable? Explain.

Given:-

Speed = 283.4 km

petrol = 16.2 liters

He says that average is 1.75

Find:-

Find The .

Sol:-

$$\frac{283.4}{16.2} = 17.49$$

1.75 is not correct ~~is~~ average.

June 26, 2024

Samsung Galaxy A14

Q3 Salma bought 3.2 yard of fabric for a total price of Rs 139.2. How much did the fabric cost per yard?

Given

Salma bought 3.2 yard of fabric.
total price is 139.2.

Find fabric cost per yard = ?

Solr

$$\frac{139.2}{3.2}$$

= 43.5 ^{fabric} is cost of per yard.

4

Q Momina walks 3.5 km/h She took a 12h walk

How far did she walk?

→ She walk 42 km/h in 12 h - Ans

• Given:

Momina walk 3.5 ^{km} ~~h~~ in hour.

Find:

How far did she walk?

Sol:

$$= 3.5 \times 12 = 42 \text{ km/h}$$

= She walk 42 km/h In 12 h Ans.

Q5 The hiking club went on a 7 day trip. Each day they hiked between 5.5 and 7.5 miles it is reasonable to assume that during the days the club hiked?

a) Less than 35 miles. b) Between 35 and 55 miles.

c) Exactly 55 miles d) More than 55 miles.

Sol:-

hiking club went on 7 days trip.

Each day they hike between 5.5 to 7.5 miles.

Minimum hiking = $5.5 \text{ miles} \times 7 = 38.5 \text{ miles}$.

Maximum hiking = $7.5 \text{ miles} \times 7 = 52.5 \text{ miles}$.

Between 35 and 55 miles Ans.

Q

Q6 For a class party the student council purchased 42 balloons at RS 1.85 each. What is the total amount the student council paid for the balloons?

Given:

Students purchased 42 balloons.

~~Price~~ Price of one balloon is 1.85.

Find:

The total price of balloons = ?

Soln:-

$$42 \times 1.85 = 77.7$$

77.7 is the total price of balloons.

Q7 A group of friends made 4-yard long rectangular banner. They paid Rs. 3.75 per yard for the fabric and Rs. 9 for the firm to go around the banner, 10-yard perimeter.

What was the width of the banner?

Sol:-

Length of banner = 4 yard

Width of banner = ?

Perimeter of banner = 10 yard

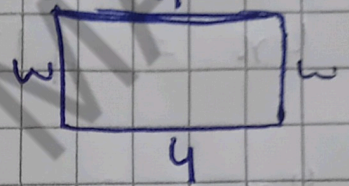
$$\text{Perimeter} = 2(L + W)$$

$$10 = 2(4 + W)$$

$$5 = 4 + W$$

$$5 - 4 = W$$

1 yard = Width Ans.



Q8 A Shoe factory has asset for Rs 2000,000 of which $\frac{3}{5}$ is a capital and rest is the debt. Find the amount of capital and debt (Asset = capital + debt)

Given:-

$$\text{Asset} = 2000,000$$

Find:-

$$\text{Capital} = \frac{3}{5} \text{ of Rs } 2000,000$$

$$\text{debt} = ?$$

Sol:-

$$\text{Capital amount} = \frac{3}{5} \times 2000,000 = 1200000 \text{ Rs.}$$

$$\text{Asset} = \text{Capital} + \text{debt}$$

$$2000,000 = 1200000 + \text{debt}$$

$$2000,000 - 1200000 = \text{debt}$$

$$800000 = \text{debt Ans.}$$

Q9 World low Lowest temperature is past 100 years was recorded to be -89.2°C at Vostok, Antarctica on July 21, 1983. Convert this temperature into Fahrenheit and Kelvin scales?

$$C = \frac{5}{9}(F - 32)$$

$$K = ^{\circ}\text{C} + 273$$

$$K = -89.2 + 273$$

$$F = \frac{9}{5}(-89.2) + 32$$

$$K = 183.8\text{ K}$$

$$F = -128.56^{\circ}\text{F}$$

Q10 A company was penalized by the government act for low quality production if the company has 3 share holders Farah, Maryam and Tehreem in the ratios of 1:2:3 and the amount of penalty is Rs ~~456~~ 456,868.97 Find the amount of penalty paid by each of 3 share holders.

$$\frac{1}{6} : \frac{2}{6} : \frac{3}{6}$$

- 2022-23

$$\text{Penalty paid of Farah} = \frac{1}{6} \times 456,868.97$$
$$= 76144.82 \text{ Rs.}$$

$$\text{penalty paid by Maryam} = \frac{2}{6} \times 456,868.97$$
$$= 152289.65 \text{ Rs}$$

$$\text{penalty paid by Tehreem} = \frac{3}{6} \times 456,868.97$$
$$= 228434.48 \text{ Rs.}$$