

20-4-2024

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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 2<sup>nd</sup> 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.



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

Salama bought 3.2 yard of fabric  
total price is 139.2.

Find fabric cost per yard = ?

Sols

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

$$= 43.5 \text{ fabric cost of per yard -}$$



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 <sup>km</sup> ~~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) Equally 55 miles      d) More than 55 miles.

Sol:- hiking club went on 7 days trip.

Each day ~~then~~ they hike between 5.5 to 7.5 miles.

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

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

Between 35 and 55 miles Ans.

Q



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

Given:

Students purchased 42 ballons.

~~Price~~ Price of one ballon is 1.85.

Find:

The total price of ballons = ?

Sol:-

$$42 \times 1.85 = 77.7$$

77.7 is the total price of ballons.



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

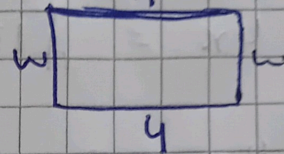
$$\text{Perimeter} = 2(L + W)$$

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

$$\begin{array}{r} 5 \cancel{10} = 4 + W \\ \cancel{2} \end{array}$$

$$5 - 4 = W$$

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  $-89.2^{\circ}\text{C}$  at Vostok, Antarctica on July 21, 1983. Convert this temperature into Fahrenheit and Kelvin scales?

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

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

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

$$K = C + 273$$

$$K = -89.2 + 273$$

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

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 ~~456,868.97~~ Find the amount of penalty paid by each of 3 share holders.

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



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

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

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