

Q Three Candidates Contested an election and received 1000, 5000, 10,000 votes respectively. What is percentage of total votes the winning Candidates gets?

Solution:

Candidate 1 = 1000 votes.

Candidate 2 = 5000 votes.

Candidate 3 = 10,000 votes.

$$\begin{aligned}\text{Total votes} &= 1000 + 5000 + 10000 \\ &= 16000\end{aligned}$$

Percentage = ?

$$\text{percentage} = \frac{1000 + 5000}{16000} \times 100$$

48

$$\text{percentage} = \boxed{62.5\%}$$

The winning Candidate gets 62.5% of total votes.

Q A fruit seller had some items. He sells 40% items and still has 420 items. What is total number of items he had originally?

Solution:

Total number items = x

He sells items = 40%

so, he has remaining 60% items

he still has - 420 items.

$$60\% \text{ of } x = 420$$

$$\frac{60}{100} \times x = 420$$

$$0.6 \times x = 420$$

$$x = \frac{420}{0.6}$$

$$\boxed{x = 700}$$

The fruit seller originally had 700 items.

Date:

Day:

Q Three persons start a business and spend 25,000, 15,000 and 40,000 respectively. Find the share of each out of profit of 14,400 in a year.

Solution:

person A = 25,000.

person B = 15,000.

person C = 40,000.

A : B : C

25,000 : 15,000 : 40,000

25 : 15 : 40

5 : 3 : 8

Sum = 5 + 3 + 8 = 16

Profit = 14,400

A's share = $\frac{14,400 \times 5}{16}$

$$\begin{array}{r}
 900000 \\
 26000 \quad 16 \\
 \hline
 7200 \\
 = \frac{14,400 \times 5}{16}
 \end{array}$$

A's share = 4500.

Date: _____

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$$\text{B's share} = \frac{14,400}{16} \times 3$$

$$= 2700.$$

$$\text{C's share} = \frac{14,400 \times 8}{16}$$

$$= 7200.$$

$$\text{A's share} = ₹ 4500.$$

$$\text{B's share} = ₹ 2700.$$

$$\text{C's share} = ₹ 7200.$$

CSS 2025 post paper

Date: _____

Day: _____

★ CSS 2025 past paper.

Q6(a) Let the original price of

Fridge = x

Total original price = $x + 40,000$

15% discount on total means

Saima pays 85% of the original total price.

So,

$$85\% (x + 40,000) = 57,120$$

$$85 (x + 40,000) = 57120$$

$$\frac{100}{0.85} (x + 40,000) = 57120$$

$$x + 40,000 = \frac{57120}{0.85}$$

$$x + 40,000 = 67,200$$

$$x = 67,200 - 40,000$$

$$\boxed{x = 27,200}$$

The price of Fridge before sale is 27,200.

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b) Solution:

Mr Rasheed gives a deposit =
60,000 Rs.

He pays remaining amount in
36 monthly payments.

Total amount he pays overall is
= 127% of Rs 3,360,000.

Monthly payment = ?

$$\begin{aligned}\text{Total payment} &= 127\% \text{ of } 3,360,000 \\ &= \frac{127}{100} \times 3,360,000 = 4,267,200\end{aligned}$$

$$\begin{aligned}\text{Balance to be paid after deposit} \\ &= 4,267,200 - 60,000 = 4,207,200\end{aligned}$$

$$\begin{aligned}\text{Monthly installment} &= \frac{4,207,200}{36} \\ &= \boxed{116,866.67}\end{aligned}$$

The monthly payment is
116,866.67.

C Divide Rs 600 among A, B, C so that.

- Rs 40 more than $\frac{2}{5}$ of A's share.
- Rs 20 more than $\frac{2}{7}$ of B's share.
- Rs 10 more than $\frac{9}{17}$ of C's share.

Let A's share = a , B's = b , C's = c .

From question.

$$\frac{2}{5}a + 40 = \frac{2}{7}b + 20 = \frac{9}{17}c + 10 = x$$

solve in term of x .

$$\frac{2}{5}a + x - 40 \rightarrow a = \frac{5}{2}(x - 40)$$

$$\frac{2}{7}b = x - 20 \rightarrow b = \frac{7}{2}(x - 20)$$

$$\frac{9}{17}c = x - 10 \rightarrow c = \frac{17}{9}(x - 10)$$

Total

$$a + b + c = 600$$

Substitute values

$$\frac{5}{2}(x - 40) + \frac{7}{2}(x - 20) + \frac{17}{9}(x - 10) = 600$$

find LCM of 2 and 9 = 18

Multiply entire eq by 18 to eliminate denominators.

$$45(x - 40) + 63(x - 20) + 34(x - 10)$$

Simplify:

$$45x - 1800 + 63x - 1260 + 34x - 340 = 10,800$$

$$142x - 3400 = 10,800 \rightarrow 142x = 14,200$$

$$x = 100.$$

$$A = (5/2)(100 - 40) = (5/2)(60) = \text{Rs } 150$$

$$B = (7/2)(100 - 20) = (7/2)(80) = \text{Rs } 280$$

$$C = (17/9)(100 - 10) = (17/9)(90) = 170 \text{ Rs}$$

d) Find the correct words from jumbled spellings.

- 1) TEANAIRM. → MARINATE
- 2) VAGANACEXETRA → EXTRAVAGANCE
- 3) VADIETIONC → CONVICTION
- 4) PKUNYBARTC → BANKRUPTCY
- 5) TAESROSN → SENATORS