

1.Explanation:

**Solution:**

Cost price —  $17,500 + 2,500 = \text{Rs. } 20,000$

S.P. = Rs. 22,500

Profit =  $22,500 - 20,000 \Rightarrow \text{Rs. } 2,500$

Profit % =  $\left(\frac{2,500}{20,000} \times 100\right)\% = 12.5\%$

2. Explanation:

**Solution:**

Profit ratio of A to B =  $(X \times 12) : (3X \times 6) = 12X : 18x = 2 : 3$

So, profit of A =  $16480 \times \frac{2}{5} = 6592 \text{ Rs.}$

And, profit of B =  $16480 \times \frac{3}{5} = 9888 \text{ Rs.}$

Required difference =  $9888 - 6592 = 3296 \text{ Rs.}$

3.

**3.**Explanation:

**Solution:**

Let the CP of fan be Rs.  $100x$

Then MP =  $\text{Rs. } 100x + \frac{20}{100} \times 100x = 100x + 20x = 120x$

SP =  $120x - 120x \times \frac{30}{100} = \text{Rs. } (120x - 36x) = \text{Rs. } 84x$

ATQ,

$84x = \text{Rs. } 420$

So,  $100x = \frac{420}{84} \times 100 = \text{Rs. } 500$

4. Explanation

Let the C.P of chair be  $100x$ .

The, S.P for Amit = C.P for Rahul =  $100x + 20\% \text{ of } 100x = 100x + 20x = 120x$

S.P for Rahul = C.P for Sanjiv =  $120 + 30\% \text{ of } 120 = 120x + 36x = 156x$

S.P for Sanjay = C.P for Dev =  $156x + 50\% \text{ of } 156x = 156x + 78x = 234x$

ATQ,

C.P for Dev – C.P for Amit = 2680

So,  $234x - 100x = 2680$

$134x = 2680$

So,  $x = 20$

So, Rahul pays  $120x = 120 \times 20 = \text{Rs. } 2400$  to Amit.

5. Explanation

**Solution:**

Ratio of investment of A, B and C =

$$(12000 \times 12) : (20,000 \times 4 + 16000 \times 8) + (24000 \times 4 + 30000 \times 8)$$

$$(12 \times 12) : (20 \times 4 + 16 \times 8) : (24 \times 4 + 30 \times 8)$$

$$(144) : (80 + 128) : (96 + 240)$$

$$(144) : (208) : (336)$$

$$9 : 13 : 21$$

As, the total profit = Rs. 8600

$$\text{So, share of B} = 8600 \times \frac{13}{43} = 200 \times 13 = \text{Rs. } 2600$$

6. **Explanation:**

**Solution:**

$$\text{At 20\% loss, selling price of fan} = 2000 \times \frac{80}{100} = \text{Rs. } 1600$$

$$\text{At 20\% profit, selling price of chair} = 1600 \times \frac{120}{100} = 16 \times 120 = \text{Rs. } 1920$$

$$\text{So, overall loss} = 2000 - 1920 = \text{Rs. } 80$$

7. **Explanation:**

Let the Cost price of item be  $100x$

So, after 20% loss, S.P of item =  $100x - 20\% \text{ of } 100x = 80x$

And, it is given that

$$80x = 1600$$

$$\text{So, } x = 20$$

So, cost price of item = 2000

After 30% profit,

$$\text{S.P of item} = 2000 + 30\% \text{ of } 2000 = 2000 + 600 = \text{Rs. } 2600$$

8. Explanation:

$$\text{Total investment of Elon in 2 years} = 2400 + 2400 = \text{Rs. } 4800$$

$$\text{Total investment of Alex in 2 years} = 3200 + 3200 = \text{Rs. } 6400$$

$$\text{Total investment of Mike in 1 years} = 3500 + 3500 = \text{Rs. } 3500$$

$$\text{Ratio of profit share of Elon, Alex and Mike} = 48 : 64 : 35$$

$$\text{So, profit share of Elon} = \frac{48}{147} \times 5880 = \text{Rs. } 1920$$

9. . **Explanation:**

$$\text{Amount invested by Abhishek} = 45000 \times \frac{100}{112.5} = \text{Rs. } 40000$$

Ratio of profit share of Sameer and Abhishek =

$$= \frac{45000 \times 1 + 50000 \times 1}{40000 \times 1 + 20000 \times 1} = \frac{19}{12}$$

$$\text{So, required difference} = 310000 \times \frac{7}{31}$$

$$= \text{Rs. } 70000$$

10. **Explanation:**

Neeraj got 20% profit

$$\text{So, S.P.} = 3000 \times \frac{120}{100} = \text{Rs. } 3,600$$

He again buys an article and got 25% loss

$$\text{So, S.P.} = 3,600 \times \frac{75}{100} = \text{Rs. } 2,700$$

Total loss = initial c.p. – final s.p.

$$= 3,000 - 2,700 = \text{Rs } 300$$

11. . **Explanation:**

**Solution:**

$$\text{Total cost price} = 5,840 + 360 = \text{Rs. } 6,200$$

$$\text{Profit} = 6,500 - 6,200 = \text{Rs. } 300$$

$$\text{Profit \%} = \frac{300}{6,200} \times 100 \approx 5\%$$

12. . **Explanation:**

Let the initial investment of P, Q and R be Rs.  $3x$ ,  $5x$ , and  $1x$

Their profit sharing ratio

$$3x \times 5 + 6x \times 7 : 5x \times 5 + 3x \times 7 : 1x \times 12$$

$$57x : 46x : 12x$$

$$57x + 46x + 12x = 3,450$$

$$115x = 3,450$$

$$\text{Profit earned by R} = \frac{3,450}{115x} \times 12x = \text{Rs. } 360$$

**13.Explanation:**

$$\begin{aligned}\text{Price at which Shivam purchased the bike} &= 80,000 \times \frac{120}{100} \\ &= \text{Rs.}96,000\end{aligned}$$

$$\begin{aligned}\text{So, price at which Adarsh purchased the bike} &= (96,000 + 4,000) \times \frac{(100-18)}{100} \\ &= \text{Rs.}82,000\end{aligned}$$

**14. Explanation:**

**Solution:**

Amit : Deepak

Initial investment

$$3 : 1$$

$$3 \times 8 : 1 \times 12$$

$$24 : 12$$

$$2 : 1$$

Now , 1 unit = Rs 8000

$$\text{So,}(2+1) \text{ units} = 3 \text{ units} = 3 \times 8000 = \text{Rs } 24000$$

**15. Explanation:**

Let the Cost price of the article be Rs. x.

Then, Selling price = Rs. 0.9x

A.T.Q.:

$$\Rightarrow 0.9x + 125 = 115\% \text{ of } x$$

$$\Rightarrow 0.9x + 125 = (23/20)x$$

$$\Rightarrow 18x + 2500 = 23x$$

$$\Rightarrow 5x = 2500$$

$$\Rightarrow x = \text{Rs. } 500 = \text{Cost Price of the article}$$

**16. . Explanation:**

Let the cost price of a raspberry be ₹x.

$$\text{Then, selling price in first condition} = (x) + (x) \times 18\% = x + 0.18x = 1.18x$$

$$\text{And selling price in second condition} = (x) + (x) \times 38\% = x + 0.38x = 1.38x$$

Now, as per question,

$$\text{Selling price in first condition} + ₹1 = \text{Selling price in second condition}$$

$$\Rightarrow 1.18x + 1 = 1.38x$$

$$\Rightarrow 1.38x - 1.18x = 1$$

$$\Rightarrow 0.2x = 1$$

$$\Rightarrow x = 1/0.2 = 5$$

$$\text{Therefore, selling price in second condition} = 1.38 \times 5 = ₹6.9$$

**17. Explanation:**

Let the S.P of 1st watch be  $x$  then S.P of 2nd watch be  $5000 - x$

Now, C.P of 1st watch = S.P of 2nd watch =  $5000 - x$

Loss in 1st watch =  $33.33\% = \frac{1}{3}$

S.P of 1st watch =  $(5000 - x) - [(5000 - x) \frac{1}{3}]$

$x = (15000 - 3x - 5000 + x)/3$

$5x = 10000$

$x = 2000$

Now S.P of 2nd watch =  $5000 - 2000 = 3000$

Profit =  $60\%$  so, C.P of 2nd watch =  $3000 \times \frac{100}{160} = \text{Rs } 1875$

Therefore, total C.P =  $3000 + 1875 = \text{Rs } 4875$

Total Profit =  $5000 - 4875 = \text{Rs } 125$

**18. . Explanation:**

$$25\% = \frac{1}{4}$$

CP : SP : MP

4 : 5

3 : 4

12 : 15 : 20

CP : SP = 12 : 15

**19. Explanation:**

$$\text{MP of Refrigerator} = \frac{3675 \times 100}{75}$$

= Rs. 4900

If Refrigerator sold without discount,

Then

$$\text{CP} = \frac{4900 \times 100}{140}$$

= 3500 Rs.

**20. Explanation:**

Time duration of Mohit = 12 months

Time duration of Rohit = (12 - m)

Same as that of Puneet = (12 - m)

Mohit : Rohit : Puneet

$100000 \times 12 : 120000(12-m) : 140000(12-x)$

$$\frac{120}{12(12-m)} = \frac{20}{18}$$

$$9 = 12 - m$$

$$m = 3$$

hence, 3 months is the correct answer.

**21. . Explanation:**

$$\frac{CP}{MP} = \frac{100-D\%}{100+P\%} = \frac{100-30}{100+5} = \frac{70}{105}$$

$$CP = 70, \quad MP = 105$$

$$x = \frac{MP-CP}{CP} = \frac{105-70}{70} = \frac{35}{70}$$

$$x\% = \frac{35}{70} \times 100 = 50\%$$

**22. Explanation:**

Let total capital is 6 units

then,	A	B	C
ratio of capital	1	2	3
ratio of time	4	3	12
ratio of their profit	4	6	36

Total profit = 46 unit = 69000

1 unit = 1500

Share of B is = 6 unit  $\times$  1500

= 9000 Rupees.

**23. Explanation:**

Discount - 20%, Profit - 16%

CP	:	MP
80		116
↓		↓
425		616.25

then  $\boxed{MP = 616.25 \text{ Rs}}$

**24. Explanation:**

$$\begin{aligned} 30\% T_1 + 20\% T_2 &= P \\ 20\% T_1 + 30\% T_2 &= P - 30 \end{aligned}$$

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$$10\% T_1 - 10\% T_2 = 30$$

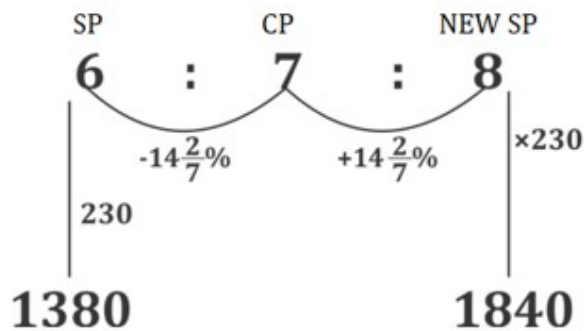
$$T_1 - T_2 = 300$$

$$\text{given that } T_1 + T_2 = 1700$$

$$\text{then, } T_1 = 1000$$

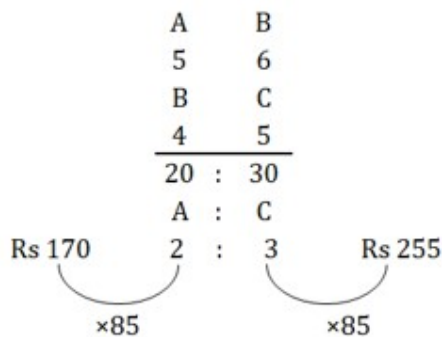
$$T_2 = 700$$

## 25. Explanation:



## 26. Explanation:

$$20\% = \frac{1}{5} \text{ \& } 25\% = \frac{1}{4}$$



## 27. Explanation

profit and loss formula

$$\text{Loss \%} = \frac{x_2}{100} = \frac{625}{100} = 6.25\%$$

## 28. Explanation

$$\text{Net loss} = \frac{x_2}{100\%} = \frac{900}{100} = 9\%$$

## 29. Explanation

$$\text{CP} = (\text{Difference in SP}) \div (\% \text{ Difference in profit}) = 600 / (5 - (-11)) \times 100 = (600 / 16) \times 100 = \text{Rs} 3750$$

## 30. Explanation

Let CP = 100 then SP = 120. Profit % if it was calculated on SP will be  
 $\Rightarrow 20/120 \times 100 = 16.67\%$

31.Explanation.

Let CP= Rs. 100, therefore, MP= Rs. 125, Discount% = 12%

SP = 88% of MP = 88% of 125 = Rs. 110. Profit = 110 – 100 = Rs. 10

Profit = 10%.

32.Explanation.

Let CP = 100. SP = 132. This is after a discount of 12%, thus the marked price must be  $132/0.88 = 150$ . Thus he is marking the product 50% above the cost price. Hence the profit will be 50%

33. Explanation.

Rs. 1.4 is the increase in absolute, 20% is the increase in percentage. Thus those two can be equated.

Hence it can be concluded that 1.4 is 20% of the price i.e. the CP of one orange is  $1.4/0.20 = \text{Rs. } 7$ .

The SP per orange in the first case is  $7 \times 1.1 = \text{Rs. } 7.70$ . Hence option is E.

34. Explanation.

CP = (Difference in SP) ÷ (% Difference in profit) CP of the horse =  $1800 \times 100 / 14.5 - (-8) = 1800 \times 100 / 22.5 \Rightarrow \text{CP} = 8000$ .

35. Explanation.

Old CP =  $4000 \times (100/125) = 3200$

36. Explanation.

Such question can be better answered by thinking in the reverse order. Let the CP = 100, there is a loss of 12% in the final case i.e. SP =  $100 - 12 = \text{Rs } 88$ . Now this Rs. 88 is the four-fifth of the selling price as per the question. The original selling price will be  $88 \times 5/4 = \text{Rs. } 110$ . CP = 100. There is a profit of Rs. 10, which is nothing but 10%, as the CP is taken to be Rs. 100

37. Explanation

Marked Price (MP) = ₹492

Discount = 39%

Profit = 22%

**Formula used:**

Selling Price (SP) = MP - (Discount × MP / 100)

Cost Price (CP) = SP / (1 + Profit / 100)

**Calculation:**

SP =  $492 - (39 \times 492 / 100)$

$\Rightarrow \text{SP} = 492 - 191.88$

$\Rightarrow \text{SP} = 300.12$

CP =  $300.12 / (1 + 22 / 100)$

$\Rightarrow \text{CP} = 300.12 / 1.22$

$\Rightarrow \text{CP} = 246$

**∴ The correct answer is option D**



38. Explanation.

Number of oranges bought = 400

Cost price of 100 oranges = ₹1410

Profit = ₹960

**Formula Used:**

Selling Price per dozen = (Total Selling Price / Number of oranges sold)  $\times$  12

**Calculation:**

Cost price of 400 oranges =  $400 \times ₹1410 / 100$

Cost price of 400 oranges = ₹5640

Total Selling Price = Cost price + Profit

Total Selling Price = ₹5640 + ₹960

Total Selling Price = ₹6600

Selling Price per orange = ₹6600 / 400

Selling Price per orange = ₹16.5

Selling Price per dozen = ₹16.5  $\times$  12

$\Rightarrow$  ₹198

**The selling price per dozen of oranges is ₹198.**

39. Explanation

**Given:**

Profit = ₹190

Markup = 20% above cost price

Discount = 15% on list price

**Formula used:**

Profit = Selling Price - Cost Price

Selling Price = List Price  $\times$  (1 - Discount Percentage/100)

List Price = Cost Price  $\times$  (1 + Markup Percentage/100)

**Calculation:**

Let the Cost Price = ₹x

List Price =  $x \times (1 + 20/100) = 1.2x$

Selling Price = List Price  $\times$  (1 - 15/100) =  $1.2x \times 0.85 = 1.02x$

Profit = Selling Price - Cost Price

$190 = 1.02x - x$

$\Rightarrow 190 = 0.02x$

$\Rightarrow x = 190 \div 0.02 = ₹9500$

List Price =  $1.2x = 1.2 \times 9500 = ₹11,400$

**$\therefore$  The list price of the fan is ₹11,400.**

40. Explanation

**Given:**

Marked price of notebook = ₹60

Discount on notebook = 25%

Marked price of pen = ₹80

Discount on pen = 25%

**Formula Used:**

Discounted price = Marked price  $\times$  (1 - Discount%)

Saving = Marked price - Discounted price

**Calculation:**

Discount on notebook = 25% of ₹60

$$\Rightarrow \text{Discount on notebook} = 60 \times 0.25$$

$$\Rightarrow \text{Discount on notebook} = 15$$

Discount on pen = 25% of ₹80

$$\Rightarrow \text{Discount on pen} = 80 \times 0.25$$

$$\Rightarrow \text{Discount on pen} = 20$$

Total savings = Discount on notebook + Discount on pen

$$\Rightarrow \text{Total savings} = 15 + 20$$

$$\Rightarrow \text{Total savings} = 35$$

**Raghav saved ₹35 due to the sale.**

41.Explanation

**Given:**

Marked price of the article = ₹x

Discount = 15%

Selling price after discount = ₹408

VAT = 25%

Selling price after VAT = ₹408

**Formula Used:**

Selling price after discount = Marked price  $\times$  (1 - Discount%)

Selling price after VAT = Selling price after discount  $\times$  (1 + VAT%)

**Calculation:**

Selling price after VAT = ₹408

$$\Rightarrow \text{Marked price} \times (1 - 0.15) \times (1 + 0.25) = 408$$

$$\Rightarrow x \times 0.85 \times 1.25 = 408$$

$$\Rightarrow x \times 1.0625 = 408$$

$$\Rightarrow x = 408 / 1.0625$$

$$\Rightarrow x = 384$$

**The value of ₹x is ₹384.**

42.Explanation

**Given:**

Profit = 25 Percent

Discount = 15 Percent

**Formula:**

$$\text{MP/CP} = (100 + \text{Profit \%}) / (100 - \text{Discount \%})$$

MP = Printed Price

CP = Cost Price

**Calculation:**

We know that –

$$\text{MP/CP} = (100 + \text{Profit \%}) / (100 - \text{Discount \%}) \dots\dots\dots (1)$$

Put all given values in equation (1) then we gets

$$\text{MP/CP} = (100 + 25) / (100 - 15)$$

$$\Rightarrow 125/85$$

$$\Rightarrow 25/17$$

**$\therefore$  The Ratio of the Printed price and cost price of radio will be 25 : 17**

43.Explanation.

Given:

A shopkeeper normally makes a profit of 20% in a certain transaction,  
He weights 900 g instead of 1 kg, due to an issue with the weighing machine.  
He charges 10% less than what he normally charges.

Formula used:

$$SP = 100 - \text{discount} \times \frac{100}{CP}$$

Calculations:

Let the cost price of 1 Kg of goods = Rs. 100

So, the selling price of 1 Kg of goods =  $100 \times \frac{120}{100}$  = Rs. 120

Cost price of 900 grams of goods = Rs. 90

According to question,

Shopkeeper charges 10% less what he normally charges

So, the new selling price = old selling price  $\times \frac{(100 - 10)}{100}$

$\Rightarrow$  New selling price =  $120 \times \frac{90}{100}$  = Rs. 108

So, profit = Rs. (108 - 90) = Rs. 18

So, profit % =  $\frac{18}{90} \times 100$  = 20%

Hence, Profit percentage is 20%.

44. Explanation.

**Given:**

A dishonest merchant sells goods at a 12.5% loss on the cost price but uses 28 g weight instead of 36 g.

**Concept used:**

Final percentage change after two successive increments of A% and B% =  $(A + B + \frac{AB}{100})\%$

**Calculation:**

Percentage gain by using 28 g weight instead of 36 g =  $\frac{36 - 28}{28} \times 100$  = 28.57%

Percentage loss = 12.5%

Considering 12.5% loss as -12.5% profit,

Now, the final percentage profit/loss =  $28.57 - 12.5 - \frac{28.57 \times 12.5}{100}$  = +12.5%

Here, the positive sign indicates a percentage profit.

$\therefore$  His percentage profit is 12.5%

**Shortcut Trick** Calculation:

Merchant sells goods at a 12.5% loss:

C.P : S.P = 8 : 7

Merchant uses 28 g weight instead of 36 g

C.P : S.P = 28 : 36 = 7 : 9

We can use successive methods:

C.P.	S.P.
8	7
7	9
56	63

So, C.P : S.P = 56 : 63 = 8 : 9

Profit% =  $\frac{(9 - 8)}{8} \times 100$

$\Rightarrow$  12.5%

∴ The correct answer is 12.5%.

45.Explanation.

**Given:**

Two discounts = 40% and 20%

**Formula:**

Two discounts a% and b%

Total discount =  $(a+b) - \frac{ab}{100}$

Discount amount =  $(\text{marked price}) \times (\text{discount \%})/100$

**Calculation:**

Single discount percentage =  $(40+20) - \frac{40 \times 20}{100} = 52\%$

⇒  $52 = \frac{988}{\text{marked price}} \times 100$

⇒ Marked price = 1900

∴ **Marked price of an article is Rs.1900.**

**Alternate Method** Let the MP be x.

$x - [x \times (100 - 40)/100 \times (100 - 20)/100] = 988$

⇒  $x - [x \times (60/100) \times (80/100)] = 988$

⇒  $x - x \times (3/5) \times (4/5) = 988$

⇒  $13x/25 = 988$

⇒  $x = (988 \times 25)/13$

⇒  $x = 1900$

∴ **Marked price of an article is Rs.1900.**

46.Explanation.

**Given:**

Cost price of 36 kg sugar = Rs.1040

**Formula used:**

Profit = Selling price - Cost price

**Calculation:**

CP of 1 kg sugar = Rs.1040/36

According to the question,

$SP \times 10 = SP \times 36 - CP \times 36$

⇒  $CP \times 36 = 26 \times SP$

⇒  $1040/36 \times 36 = 26 \times SP$

⇒  $1040 = 26 \times SP$

⇒  $SP = 1040/26 = 40$

Now, SP of 5 kg of sugar =  $40 \times 5 = \text{Rs. } 200$

∴ **The selling price of 5 kg sugar = Rs.200**

47. Explanation

**Given:**

A grocery shop is offering a 10% discount on the purchase of Rs.500 and above. A 5% discount is given on the purchase of value above Rs.250 but below Rs.500. A discount of an additional 1% is given if payment is made instantly in cash.

He bought 25 packets of biscuits and one packet is priced at Rs.30.

**Concept used:**

1. Final discount percentage after two successive discounts of A% and B% =  $(A+B - \frac{AB}{100})\%$

2. Selling price = Marked Price  $\times$  (1 - Discount%)

**Calculation:**

Total billed price =  $25 \times 30 = \text{Rs. } 750$

Since he paid in cash, he would get two consecutive discounts of 10% and 1%.

So, final discounts =  $10 + 1 - (10 \times 1)/100 = 10.9\%$

Now, he would have to pay =  $750 \times (1 - 10.9\%) = \text{Rs. } 668.25$

**$\therefore$  He would have to pay Rs. 668.25.**

48.Explanation.

**Calculation:**

Let cost price of the item be Rs.  $x$

According to the question

$$(x - 440) = (1000 - x) \times 60/100$$

$$\Rightarrow (x - 440) = (1000 - x) \times 3/5$$

$$\Rightarrow 5x - 2200 = 3000 - 3x$$

$$\Rightarrow 5x + 3x = 3000 + 2200$$

$$\Rightarrow 8x = 5200$$

$$\Rightarrow x = 5200/8$$

$$\Rightarrow x = 650$$

**$\therefore$  The correct answer is option A**

Shortcut Trick

440                      1000

3                      5

$5 + 3 \Rightarrow 1000 - 440$

$8 \Rightarrow 560$

$1 \Rightarrow 70$

$C.P. = 440 + 70 \times 3$

49.Explanation.

**Shortcut Trick**

Fruits bought at 15 for Rs. 140

Equal quantity of bought at 10 for Rs. 120

Fruits sold at Rs. 132/dozen

Let, the total quantity of fruits = 30

	15 for Rs. 140	10 for Rs. 120	Total
CP	Rs. 140	Rs. 180	Rs. 320
SP	Rs. 165	Rs. 165	Rs. 330

Profit percent =  $(330 - 320)/320 \times 100 = 3.1/8\%$

**∴ The required profit percent is 3.1/8%.**

### **Alternate Metho**

**Given:**

Fruits at 15 for Rs. 140 = Fruits at 10 for Rs. 120

Fruits sold at Rs. 132/dozen

**Formula used:**

Profit > Loss

Profit = SP - CP

Profit percent =  $\text{Profit}/\text{CP} \times 100$

**Calculation:**

Let, Total fruit brought

⇒ LCM (10 and 15) = 30

So, CP of 30 fruits at the rate of 15 for Rs. 140

⇒  $140/15 \times 30 = \text{Rs. } 280$

Similarly, CP of 30 fruits at 10 for Rs. 120,

⇒  $120/10 \times 30 = \text{Rs. } 360$

So, Total CP of 60 fruits =  $280 + 360 = \text{Rs. } 640$

Now,

⇒ SP of 12 fruits = Rs. 132

⇒ SP of 1 fruit = Rs. 11

⇒ SP of 60 fruits =  $\text{Rs. } 11 \times 60 = \text{Rs. } 660$

So, Profit = SP - CP =  $\text{Rs. } 660 - \text{Rs. } 640$

⇒ Rs. 20

Profit percent =  $20/640 \times 100 = 3.1/8$

**∴ The required profit percent is 3.1/8%.**

50.Explanation.

**Given:**

A invested Rs. 29,000, while B and C invested Rs. 25,000 each

After 4 months, A withdrew Rs. 3,000

After 6 months from the initial date, C invested Rs. 12,000 more to the business

The total profit = Rs. 33200

**Calculation:**

The ratio of A, B, and C =  $[(29000 \times 4) + (26000 \times 8)] : (25000 \times 12) : [(25000 \times 6) + (37000 \times 6)]$

=  $(116000 + 208000) : 300000 : (150000 + 222000)$

=  $324000 : 300000 : 372000$

=  $27 : 25 : 31$

∴ The profit of C =  $(31/83) \times 33200 = \text{Rs. } 12400$

∴ The share of C (in Rs.) in the profit at the end of the year is Rs. 12400