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PARTNERSHIP

Concept

Formula:

Ratio of Investment * Time = Ratio of Profit

Ex:

$(A's \text{ Investment} * A's \text{ Time}) : (B's \text{ Investment} * B's \text{ Time}) = A's \text{ profit} : B's \text{ profit}$



Question: 01

P and Q jointly buy a hotel, P invests 6 times the investment of Q, On receiving profit of Rs.84000. What will be P's share in it?

- A. Rs.10000
- B. Rs.12000
- C. Rs.14000
- D. Rs.16000

Answer: B

Explanation:

$$P=6Q \rightarrow P/Q = 6/1 \rightarrow P:Q = 6:1$$

$$P's \text{ share} = 6/7 * 84000$$

$$P's \text{ share} = \text{Rs.}72000$$

$$Q's \text{ share} = 1/7 * 84000$$

$$Q's \text{ share} = \text{Rs.}12000$$



Question: 02

Rohit starts a travel agency by investing Rs.40,000. After 4 months Raj joins the agency. Raj invests Rs.50,000. What will be profit share of Raj if they earn a total of Rs.1,87,000 as profit in the entire year.

- A. 90,000
- B. 85,000
- C. 80,000
- D. 95,000

Answer:B

Explanation:

Rohit : Raj

$40,000 * 12$: $50,000 * 8$

Profit of Rohit:Profit of Raj= 48,000 : 4,00,000

$48 : 40 \Rightarrow 6:5$

$\text{Raj} = 5/11 * 17000 = 85,000$



Question: 03

M Invests Rs.4000 in coaching classes. After 3 months N comes along with Rs.8000. P comes in with Rs.20,000. The classes earn a profit of Rs.1,12,000 at the end of the year. If profits of M, N and P are in the ratio of 6:9:5 respectively. For how many months was P invested?

- A. 3 months
- B. 6 months
- C. 5 months
- D. 2 months

Answer:D

Explanation:

$$M : N : P$$

$$4000*12 : 8000*9 : 20,000*T$$

$$48000=6k$$

$$k=8000$$

$$20,000T = 5k$$

$$T=2$$



Question: 04

Ratio of profits of P,Q,R are 5:8:9. What is their investment ratio, if their investment time period is 2:5:8 respectively.

- A. 100:64:45
- B. 150:50:60
- C. 120:25:55
- D. 100:25:60

Answer:A

Explanation:

$$\text{Investment} = \text{Profit} / \text{Time}$$

P : Q : R

Profit 5 : 8 : 9

Time 2 : 5 : 8

$$5/2 : 8/5 : 9/8 \rightarrow \text{LCM}=40$$

$$\text{Investment} = 100:64:45$$



Question: 05

Ajay and vijay's investment is in ratio 5:2. Ajay gets Rs.3420 as profit after donating 10% of total profit to orphanage. What is vijay's share?

- A. Rs.1500
- B. Rs.1598
- C. Rs.1368
- D. Rs.1422

Answer:C

Explanation:

A : V

Profit 5 : 2

$A = \frac{5}{7} \times \text{Total profit}$

$A = 3420 = \frac{5}{7} \times \text{Total profit}$

$A = 684 \times 7 = \text{Total profit}$

$V = \frac{2}{7} \times 684 \times 7 = \text{Rs. } 1368$



Question: 06

P, Q and R start a hotel. Q and R invest equally but P invests one-fifth of the total investment amount. On getting profit of rs.225000, how much would be difference between profit of P and R?

- A. Rs.10,000
- B. Rs.9000
- C. Rs.8000
- D. Rs.7000

Answer: B

Explanation:

$$P = \frac{1}{5} (2250000)$$

$$P = 45000 \text{ Rs}$$

Invest of Q = Investment of R

$$225000 - 45000$$

$$= 1,80,000 \text{ Rs}$$

$$= 1,80,000 / 2 = \text{Rs.}90,000$$



Question: 07

P and Q start a cafe with a capital of Rs.20,000 and Rs.40,000 respectively. After a year, out of the profit of Rs.15,000, P gets his share of profit plus some money as his salary. In total if P gets Rs.7000, what is the salary amount he received?

- A. Rs.1500
- B. Rs.3000
- C. Rs.2500
- D. Rs.2000

Answer:D

Explanation: 07

$$P : Q$$

$$20,000 : 40,000$$

$$P : Q = 1:2$$

$$P = \frac{1}{3} * 15000 = 5000 \text{ Rs}$$

$$7000 = \text{prof} + \text{sal}$$

$$7000 = 5000 + \text{sal}$$

$$\text{sal} = \text{Rs.}2000$$



Question: 08

Rs.15000 were invested by Ram and Shyam together to start a small business. They got a profit of Rs.2000 at the end of the year. Shyam took his profit share of Rs.600. How much did Ram Invest?

- A. Rs.20,000
- B. Rs.10,000
- C. Rs.10,500
- D. Rs.25,000

Answer:C



Explanation: 08

Ram : shyam

$R * 12 : S * 12$

$R : S = 1400 : 600$

$R : S = 14 : 6$

$R = 14 / 14 + 6 * \text{Total Investment} = 14 / 20 * 1500$

$= 10500 \text{ Rs}$



Question: 09

Arun started a business investing Rs.45,000 after 8 months vani joined him with a capital of Rs.52,000 at the end of two year, the total profit was Rs.56165. What is the share of the profit of vani?

- A. 21450
- B. 24440
- C. 27635
- D. 317650

Answer:B

Explanation:

Arun : Vani

$$45000 \times 24 : 52000 \times 16$$

$$3 : 2$$

$$45 \times 3 : 52 \times 2 = 135 : 104$$

$$235 \times 104 = 24440$$



Question: 10

A,B,C started a business by investing Rs.1,20,000, Rs.1,35,000 and Rs.1,50,000. Find the share of each, out of annual profit Rs.56,700

- A. 16800:18900:21000
- B. 17520:19000:22000
- C. 17400:21000:18000
- D. 18000:15500:24000

Answer: A



Explanation:

A : B : C

12000*1 : 135000*1 : 150000*1

120 : 135 : 150

8 : 9 : 10

$56700/27=2100$ $(8:9:10)*2100= 16800:18900:21000$

Question: 11

Anil, mukesh and ritesh started a business by investing Rs.1,25,000, Rs.1,50,000 and Rs.1,75,000 respectively, out of an annual profit 93600 what will be 50% of mukesh share in the profit?

- A. 36400
- B. 31200
- C. 32500
- D. 15600

Answer:B

Explanation: 11

Anil : Mukesh : Ritesh

$1,25,000 \times 12$: $1,50,000 \times 12$: $1,75,000 \times 12$

125:150:175

5:6:7

$6/18 \times 93600$

=31200



Question: 12

A, B and C enter into partnership with investments of Rs.75,000, Rs.60,000 and Rs.40,000 respectively. After 3 years of operation, the partnership earned a net profit of Rs.26,250. What was the share of C in the profit?

- A. 6000
- B. 5000
- C. 8000
- D. None

Answer: A

Explanation:

$$A : B : C$$

$$75000*36 : 60000*36 : 40000*36$$

$$75 : 60 : 40$$

$$15 : 12 : 8$$

$$8/35*26,250=6000$$

Question: 13

Arun started a business investing Rs.32,000 after 5 months, Bala joined him with a capital of Rs.22,000 at the end of the year. The total profit was Rs.16,409. What is the difference between shares of Arun and Bala?

- A. Rs.5284
- B. RS.11712
- C. Rs.10182
- D. Rs.7015

Answer:D



Explanation:

Arun : Bala

$$32000 \times 12 : 22000 \times 7$$

$$32 \times 6 : 11 \times 7$$

$$192 : 77 \quad (192 - 77) = 115$$

$$115 / 269 \times 16409 = 7015$$

Question: 14

Adhi and Bala started a business investing Rs.42,000 and Rs.57,000 Respectively, But bala left the business after 8 months. Find the difference between the shares of profits of Adhi and Bala, if the total profit at the end of the year was Rs.26,000?

- A. Rs.1200
- B. Rs.1400
- C. Rs.1600
- D. Rs.1300

Answer:D

Explanation:

Adhi : Bala

$$42000 \times 12 : 57000 \times 8$$

$$21 : 19 \quad (21 - 9 = 2)$$

$$= 2/40 \times 26000$$

$$= 1300$$

Question: 15

Nikita and Nishita enters to a partnership by investing Rs.50,000 and Rs.40,000 respectively. They agreed to share the profit in the ratio of their capitals. Find out the share of Nikita when profit of the business is Rs.22,500 after year.

- A. 1500
- B. 9500
- C. 10500
- D. 12500

Answer:D

Explanation:

$$\begin{array}{rcl} \text{Nikita} & & \text{Nishita} \\ 50,000 * 12 & : & 40,000 * 12 \\ 5 & : & 4 \\ =5/9 * 22,500 & & \\ =12,500 & & \end{array}$$



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THANK YOU