Partnership Most Asked Common Questions (Last 5 years)

Q1. A, B & C invested equal amount in a partnership business. After 8 months, A completely withdraws his investment, B doubled his investment and C withdraws 50% of his investment. If total profit at the end of the year is Rs.8500, then find profit share of C.
(a) Rs.2000
(b) Rs.1500
(c) Rs.1000
(d) Rs.3000
(e) Rs.2500

Q2. A started a business by investing Rs. 50,000. After 6 months B joined him by investing Rs. 75,000. After another 6 months C joined with Rs. 1,25,000. What is the ratio of profit shared after 2 years among A, B and C?
(a) 4 : 5 : 6
(b) 8 : 9 : 10
(c) 8 : 9 : 12
(d) 4 : 5 : 8
(e) None of these

Q3. A, B and C invested in a ratio of 7: 8: 5 in a business. They got an annual profit of Rs. 136800. If A and C withdrew their amount at the end of 3 months and 7 months respectively. Then find the difference between A and C's share of profit?
(a) Rs. 12,600
(b) Rs. 11,500
(c) Rs. 13,500
(d) Rs. 10,500
(e) Rs. 13,000

Q4. A invests Rs. X in a business. After four months B joined him with Rs. 2X and A double his investment. If at the end of the years total profit is Rs. 13950, then find the profit share of A?
(a) 7250 Rs.
(b) 7750 Rs.
(c) 8750 Rs.
(d) 6750 Rs.
(e) 7050 Rs.

Q5. A & B invested Rs. X and Rs. (X + 800) for same period of time in a business. If A gets Rs. 3200 as profit share out of total profit of Rs. 6800, then find 'X'?
(a) 7800
(b) 6000
(c) 8400
(d) 7200
(e) 6400

Q6. Ram started a business with the capital of Rs. 6000 and after four months, Guru joined him with capital of Rs. (6000 + X). At the end of a years, the ratio of profit share of Ram to Guru is 9 : 10. Find value of X (in Rs.)?
(a) 4800
(b) 6000
(C) 3000
(d) 4000
(e) 2000

Q7. P invested Rs.21000 in a business and after few months Q joined him with Rs.28000. At the end of a year profit share of P and Q is equal. Find after how many months B joined the business.
(a) 4
(b) 2
(c) 3
(d) 5
(e) 6

Q8. Two friends P and Q enter into a partnership by investing Rs. 3000 and Rs. 4500. If Q invested for X month from the starting of the business and the annual profit share of P to Q ratio is 4: 3, then find the value of X.
(a) 8
(b) 5
(c) 6
(d) 3
(e) 10

Q9. The ratio of investment of A, B and C are 4:3:6 for the period of 14 months, 12 months and 6 months respectively. If the profit share of A is Rs.28000, then find the sum of profit share of B and C?
(a) Rs. 24000
(b) Rs. 28000
(c) Rs. 36000
(d) Rs. 35000
(e) Rs. 30000

Q10. A and B started a business with some amount. After 9 months, A left the business. At the end of a year, the profit share of A and B is in the ratio of 9 : 16. Find the ratio of investment of A and B respectively?
(a) 1 : 3
(b) 3 : 4
(c) 2 : 3
(d) 4 : 3
(e) 3 : 5

Solutions

S1. Ans.(e)

Sol. Let amount invested by A, B & C be Rs.100x

So, profit sharing ratio of A, B & C = $(100x \times 8)$: $\big((100x \times 8) + (200x \times 4)\big)$: $\big((100x \times 8) + (50x \times 4)\big)$

= 4 : 8 : 5

Hence, profit share of C = $8500 \times \frac{5}{17}$

= Rs.2500

S2. Ans.(b)

Sol.

	A	:	B	:	C
Capital →	50000	:	75000	:	1,25,000
Time →	2		$\frac{3}{2}$		1
Profit →	100000	:	112500	:	125000

Required ratio = 8:9:10

S3. Ans.(a)

Sol. Ratio of their profit sharing

A: B: C = $7 \times 3 : 8 \times 12 : 5 \times 7 = 21 : 96 : 35$

Annual profit = 136800

Difference b/w A and C's share of profit

$= \frac{14}{152} \times 136800$

= Rs 12,600

S4. Ans.(b)

Sol. Profit ratio of A to B = $(X \times 4 + 2X \times 8) : (2X \times 8)$ = 20X: 16x = 5: 4

So, profit of A = $13950 \times \frac{5}{9} = 7750\ Rs.$

S5. Ans.(e)

Sol. ATQ –

$\frac{X}{(X+800)} = \frac{3200}{(6800-3200)}$

X = 6400

S6. Ans.(d)

Sol. ATQ –

$\frac{6000 \times 12}{(6000+X) \times 8} = \frac{9}{10}$

$6000 \times 12 \times 10 = (6000 + X) \times 8 \times 9$

X = Rs.4000

S7. Ans.(c)

Sol. Let Q joined business after 't' months

ATQ –

$\frac{21000\times12}{28000\times(12-t)} = \frac{1}{1}$

9 =12-t

t = 3

t = 3 months

S8. Ans.(c)

Sol. Profit ratio = 3000×12 : 4500×X = 8 : X

ATQ,

$\frac{8}{X} = \frac{4}{3}$

X = 6

S9. Ans.(c)

Sol. Let the investment of A = 4x

the investment of B = 3x

the investment of C = 6x

Profit sharing ratio of A, B to C

4x × 14 : 3x × 12 : 6x × 6

= 14: 9: 9

ATQ,

Required sum = $\frac{28000}{14} \times (9+9) = Rs.36000$

S10. Ans.(b)

Sol. Information given:

After 9 months, A left the business

At the end of a year, the profit share of A and B is in the ratio of 9 : 16

Formula Used:

Ratio of profit = investment × time

Explanation:

Let A and B invested Rs x & Rs y respectively

ATQ, 9x/12y = 9/16

x : y = 3 : 4