

Partnership: Types, Questions, Examples!

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Partnership is based on three points, first is time, second is investment and the third one is profit. Here, Profit \propto investment and Profit \propto time. So, ratio of profit is directly proportional to the product of investment and time.

In this article, we are going to cover the key concepts of Partnership along with the various types of questions, and tips and tricks. We have also added a few solved examples, which candidates will find beneficial in their exam preparation. Read the article thoroughly to clear all the doubts regarding the same.

Relation between profit and capital

Candidates can find the relationship between profit and capital from below.

- Profit (P) \propto Capital (C)
- $P_1 : P_2 = C_1 : C_2$

Also check [Percentages](#) concepts here once you are through with Partnership concepts!

Types of Partnership

Let us know some of the types of partnership and the important relations in them.

Mix Partnership

Mix partnership is when the partners are involved for different Time Periods. Mix partnership can be expressed as,

$$P_1 : P_2 = C_1 T_1 : C_2 T_2$$

Where, P: Profit, C: Capital and T: Time Period

Change in Capital

In this type of partnership problem the capital value changes over time.

Rent Distribution

In this type of partnership problem, the rent is distributed in the available people by following a ratio.

How to Solve Question Based on Partnership – Know all Tips and Tricks

Candidates can find different tips and tricks from below for solving the questions related to partnership.

Tip # 1: Candidates need to make sure that they know all the important formulas of partnership which are mentioned below.

- Profit \propto investment
- Profit \propto time
- Profit (P) \propto Capital (C)
- $P_1 : P_2 = C_1 : C_2$

Tip # 2: The first two formulas shall be applied only when the Time Period is same or constant.

Once you've mastered Partnership, Also, learn more about [Mixture and alligation](#) concepts in depth!

Partnership Solved Sample Questions

Question 1: P, Q and R started a business with Rs.10,000, Rs.12,000 and Rs.15,000 respectively for 2 years and they got Rs.55,500 as profit. Find the Q's share in the profit.

Solution: Ratio of investment of P, Q and R = $10,000 : 12,000 : 15,000 = 10 : 12 : 15$

The profit of Q = $12 / (10 + 12 + 15) \times 55,500 = 12 \times 55,500 / 37 = \text{Rs.}18,000$

Question 2: P, Q and R entered into the partnership. P contributes Rs. 14,000 for 5 months, Q contributes Rs. 28,000 for 7 months and R contributes Rs. 21,000 for 4 months. If the total profit made is Rs. 12,500, then find the profit of R.

Solution: $P_1 : P_2 : P_3 = C_1 T_1 : C_2 T_2 : C_3 T_3$

$P_1 : P_2 : P_3 = 14,000 \times 5 : 28,000 \times 7 : 21,000 \times 4 = 5 : 14 : 6$

The profit of R = $6 / (5 + 14 + 6) \times 12,500 = 6 \times 12,500 / 25 = \text{Rs.}3000$

Question 3: P, Q and R started a business respectively with Rs.100000, 120000 and 180000 for one year. After 2 months P adds Rs.20000, Q and R respectively withdraws Rs.40000 and Rs.8000. If at the end of 1 year P gets Rs.400 more than R, then find the total profit.

Solution: Ratio of profit of (P : Q : R) = $(100000 \times 2) + (120000 \times 10) : (120000 \times 2) + (80000 \times 10) : (180000 \times 2) + (100000 \times 10)$

Profit of (P : Q : R) = $140 : 104 : 136 = 35 : 26 : 34$

\therefore Total profit = $35x + 26x + 34x = 95x = \text{Rs.}38,000$

Question 4: P, Q and R rented a meadow. P puts 10 cows for 7 months, Q puts 21 cows for 2 months and R puts 14 cows for 6 months. If the rent of the meadow is Rs.3570, how much must R pay (in rupees) as his share of rent?

Solution:

$$P : Q : R = 10 \times 7 : 21 \times 2 : 14 \times 6$$

$$P : Q : R = 5 : 3 : 6$$

$$\text{Share of R} = 6 / (5 + 3 + 6) \times 3570 = 3 \times 3570 / 7 = \text{Rs.}1530$$

Question 5: P and Q started a business and the ratio of their investment is 5 : 7. They decided that 70% of the profit will be divided into equal parts and the rest of the profit will be divided into the ratio of their investments. If Q got Rs.500 more than P, find the total profit.

Solution: Let the total profit earned be x, According to the question,

$$2 / 12 \times 30x / 100 = 500$$

$$x = \text{Rs.}10000$$

If you've learned Partnership concepts, you can move on to learn about [Pipe and Cistern](#) concepts here!

Exams where Partnership is Part of Syllabus

Questions based on Partnership come up often in various prestigious government exams some of them are as follows.

- [SBI PO](#), [SBI Clerk](#), [IBPS PO](#), [IBPS Clerk](#)
- [SSC CGL](#), [SSC CHSL](#), [SSC MTS](#)
- [LIC AAO](#), [LIC ADO](#)
- [RRB NTPC](#), [RRB ALP](#)
- [UPSC](#)
- [MPSC](#)
- [KPSC](#)
- [BPSC](#)
- [WBPSC](#)
- Other State Level Recruitment Examinations

We hope you found this article regarding Partnership was informative and helpful, and please do not hesitate to contact us for any doubts or queries regarding the same. You can also download the [Testbook App](#), which is

Percentages	Rhombus
Circles	Triangles
Matrices	Interest

Partnership FAQs

Q.1 What is Partnership?

Ans.1 Partnership is based on three points, first is time, second is investment and the third one is profit.

Q.2 How many types of partnerships are there?

Ans.2 Various types of partnership can be found above in the article.

Q.3 How to solve the problem related to the Number System?

Ans.3 Tips and tricks to solve the problems related to Partnership are given above in the article. Kindly go through the article for the same.

Q.4 Where I will find some of the sample questions related to Partnership?

Ans.4 Various example questions along with their solutions are given above in the article. Kindly go through the article for the same.

Q.5 In which exam questions from Partnership come up?

Ans.5 Partnership based questions come in various government competitive examinations on a regular basis. The names of such examinations are given above in the article.

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