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| **PARTNERSHIP** |

1. **Three partners A, B, C invest Rs 36000, Rs 45000 and Rs 54000 respectively in a business. Out of a total profit of Rs 37500, C’s share is:**

**A : B : C = 36000 : 45000 : 54000 = 4 : 5 : 6**

**Total shares to divide profit = 4 + 5 + 6 = 15**

**C’s share = 37500 x (6/15) = Rs 15000**

1. **Manoj and Vinod started a business by investing Rs 120000 and Rs 135000 respectively. Find the share of each, out of an annual profit of Rs 35700?**

**Ratio of their shares = 120000 : 135000 = 8 : 9**

**Manoj share = 35700 x (8/17) = Rs 16800**

**Vinod share = 35700 x (9/17) = Rs 18900**

1. **Kavita and Sunita are partners in a business. Kavita invests Rs 35000 for 8 months and Sunita invests Rs 42000 for 10 months. Out of a profit of Rs 31570, find Kavita’s share:**

**Ratio of their shares = (35000 x 8) : (42000 x 10) = 2 : 3**

**Kavita’s share = 31570 x (2/5) = Rs 12628**

1. **Sanjeev started a business by investing Rs 36000. After 3 months, Rajeev joined him by investing Rs 36000. Out of an annual profit of Rs 37100, find the share of each?**

**Ratio of capitals = (36000 x 12) : (36000 x 9) = 4 : 3**

**Sanjeev share = 37100 x (4/7) = Rs 21200**

**Rajeev share = 37100 x (3/7) = Rs 15900**

1. **Jayant opened a shop investing Rs 30000. Madhu joined him 2 months later, investing Rs 45000. They earned a profit of Rs 54000 after completing of one year. What will be Madhu’s share of profit?**

**Jayant : Madhu = (30000 x 12) : (45000 x 10) = 4 : 5**

**Madhu’s share = 54000 x (5/9) = Rs 30000**

1. **Nirmal and Kapil started a business investing Rs 90000 and Rs 120000 respectively. After 6 months, Kapil withdrew half of his investment. If after a year, the total profit was Rs 46000, what was Kapil’s share in it?**

**Nirmal : Kapil = (90000 x 12) : (120000 x 6) + (60000 x 6) = (108) : (72 + 36)**

**= 108 : 108 = 1 : 1**

**Kapil’s share = 46000 x (1/2) = Rs 23000**

1. **Mohinder and Surinder entered into a partnership investing Rs 120000 and Rs 90000 respectively. After 3 months, Sudhir joined them with an investment of Rs 150000. What is the share of Sudhir in a half-yearly profit of Rs 95000?**

**Mohinder : Surinder : Sudhir = (120000 x 6) : (90000 x 6) : (150000 x 3)**

**= 72 : 54 : 45 = 8 : 6 : 5**

**Sudhir’s share = 95000 x (5/19) = Rs 25000**