

*Partnership and Problems  
on ages*

# What is Partnership?

## Important Concepts

### Ratio of Divisions of Gains:

Suppose A and B invest Rs.  $x$  and Rs.  $y$  respectively for a year in a business, then at the end of the year:

$$(A's \text{ share of profit}) : (B's \text{ share of profit}) = x : y.$$

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Suppose A invests Rs.  $x$  for  $p$  months and B invests Rs.  $y$  for  $q$  months then,

$$\text{(A's share of profit) : (B's share of profit)} = xp : yq$$

**Question:** A and B started a business with Rs.20000 and Rs.30000 respectively for 1 year. If they had profit of Rs.4000. What is the ratio of A in this profit?

A. Rs.800

B. Rs.1600

C. Rs.2400

D. Rs.1200

**Question:** A and B started a business with Rs.60000 and Rs.80000 respectively. What is the ratio of their profits after 3 years?

A. 1:2

B. 1:1

C. 4:3

D. 3:4

**Question:** A, B, C Started a business with capitals Rs.60,000, Rs.50,000 and Rs.40,000 respectively. After 9 months C left them. If profit after one year is Rs.14,000 then profit of C is:

- A. Rs.5000
- B. Rs.4000
- C. Rs.6000
- D. Rs.3000

**Question:** A, B, C subscribe Rs. 50,000 for a business. A subscribes Rs. 4000 more than B and B Rs. 5000 more than C. Out of a total profit of Rs. 35,000, A receives:

- A. Rs.8400
- B. Rs.11900
- C. Rs.13600
- D. Rs.14700

**Question:** Pradeep opened a shop investing Rs.30,000. Priyanka joined him 2 months later, investing Rs.45,000. They earned a profit of Rs.76,000 after completion of 2 year. What will be Priyanka's share of profit? :

- A. Rs.27000
- B. Rs.44000
- C. Rs.32000
- D. Rs.40000



**Question:** A and B invest in a business in the ratio 3 : 2. If 5% of the total profit goes to charity and A's share is Rs. 855, the total profit is:

- A. Rs.500
- B. Rs.1000
- C. Rs.1500
- D. Rs.2000

**Question:** Kiran is younger than Bineesh by 7 years and their ages are in the respective ratio of 7 : 9, how old is Kiran?

A. 25

B. 24.5

C. 26

D. 26.5

**Question:** The Ratio of Mona and Vikas's present age is 9:10. After 4years the ratio will become 11:12. What is the present age of mona?

- A. 20
- B. 18
- C. 15
- D. 24

**Question:** The Ratio of Ram and Shyam's present age is 2:1. After 5 years the ratio will become 3:2. What is the present age of both?

- A. 10, 5
- B. 12, 8
- C. 15, 18
- D. 15, 10

**Question:** At present age of father is 5 times the age of the son. 3 years hence the father would be 4 times that of the son. What is present age of father?

A. 40

B. 45

C. 50

D. 35