

14. One alloy contains silver and copper in the ratio 5:1 and the other contains in the ratio 7:2 respectively. What weights of the 2 must be melted together, so as to make a 5 lb mass with 80% silver?

15.Box A contains wheat worth Rs.30 per kg and box B contains wheat worth Rs.40 per kg.If both A and B are mixed in the ratio 4:7 then the price of mixture per kg is

PARTNERSHIP

1.Raj invested Rs 76000 in a business. After few months Monty joined him and invests Rs 57000. At the end of year both of them share the profits at the ratio of 2:1. After how many months Monty joined Raj ?

2.A and B started a business by investing money in ratio of 5:6. C joined them after six months by sharing an amount equal to B's share. At the end of year 20% profit was earned which was equal to Rs 102,000. How much money was invested by C?

3.A, B and C shared profits in ratio of 5:7:8. They partnered for 14 months, 8 months and 7 months respectively. What was the ratio of their investments ?

4.Sita and Geeta started a business by investing Rs. 120000 and Rs.135000 respectively. Find the share of each out of an annual profit of Rs. 35700.

5.Ravi started a business by investing Rs.36000. After 3 months Shayam joined him by investing Rs.36000. Find the share of each in the annual profit of Rs. 37100.



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6.Sony ,Mony and Tony start a business each investing Rs.20000. After 5 months Sony withdrew Rs.5000, Mony withdrew Rs.4000 and Tony added Rs.6000 more. At the end of the year, a total profit Of Rs. 69900 was recorded. Find the share of each?

7.Sheela started a business with Rs. 21000 and is joined afterwards by Reema with Rs 36000. After how many months did Reema join if the profits at the end of the year are divided equally?

8.X and Y invested in a business. They earned some profit which they divided in the ratio of 2:3. If X invested Rs. 40000. Find the amount invested by Y?

9.Mohinder and Surinder entered into a partnership investing Rs. 12000 and Rs. 9000 respectively . After 3 months ,Sudhir joined them with an investment of Rs.15000. What is the share of Sudhir in a half yearly profit of Rs. 9500?

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10.In a partnership , A invests $\frac{1}{6}$ of the capital for $\frac{1}{6}$ of the time , B invests $\frac{1}{3}$ of the capital for $\frac{1}{3}$ of the time and C , the rest of the capital for the whole time. What is the share of B in the profit if Rs. 4600.

11.Three partners shared the profit in a business in the ratio $5 : 7 : 8$. They had partnered for 14 months, 8 months and 7 months respectively. What was the ratio of their investments?

12.Ajay and Sahil enter into a partnership investing Rs. 50000 and Rs. 40000, respectively. They agree to share profits in the ratio of their capitals. Find the share of Ajay in a profit of Rs. 22500 after one

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13. Navdeep, Rahul and Raj entered into a partnership. Navdeep invested Rs. 16000 for 9 months. Rahul invested Rs. 12000 for 6 months and Raj invested Rs. 8000 for 12 months. At the end of a year there was a profit of Rs. 26000. Find the share of Rahul in the profit.

14. Divya starts business with Rs. 3500 and 5 months after Jyoti joins Divya as her partner. After a year the profits are divided in the ratio of 2:3. How much did Jyoti contribute?

15. Aman began a business with Rs. 550 and was joined afterwards by Rahul with Rs. 330. When did Rahul join if the profits at the end of the year were divided in the ratio 10:3?