

5. A and B enter into a partnership. A invests Rs. 16,000 for 8 months and B remains in the business for 4 months. Out of a total profit, B claims $\frac{2}{7}$ of the profit. Find the contribution of B.

Ans:

$$\frac{\text{A's capital} \times \text{A's time in partnership}}{\text{B's capital} \times \text{B's time in partnership}} = \frac{\text{A's capital}}{\text{B's capital}}$$

$$\text{ie. } \frac{16,000 \times 8}{\text{B's Capital} \times 4} = \frac{5}{2}$$

$$\text{B's capital} = \frac{16,000 \times 8 \times 2}{4 \times 5} = \text{Rs. } 12,800$$