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Reconstitution of a Partnership Firm – Admission of a Partner

Illustration 2

Akshay and Bharati are partners sharing profits in the ratio of 3:2. They admit Dinesh as a new partner for $\frac{1}{5}$ th share in the future profits of the firm which he gets equally from Akshay and Bharati. Calculate new profit sharing ratio of Akshay, Bharati and Dinesh.

Solution

$$\text{Dinesh's share} = \frac{1}{5} \text{ or } \frac{2}{10}$$

$$\text{Akshay's share} = \frac{3}{5} - \frac{1}{10} = \frac{5}{10}$$

$$\text{Bharati's share} = \frac{2}{5} - \frac{1}{10} = \frac{3}{10}$$

New profit sharing ratio between, Akshay, Bharati and Dinesh will be 5:3:2.

Illustration 3

Anshu and Nitu are partners sharing profits in the ratio of 3:2. They admitted Jyoti as a new partner for $\frac{3}{10}$ share which she acquired $\frac{2}{10}$ from Anshu and $\frac{1}{10}$ from Nitu. Calculate the new profit sharing ratio of Anshu, Nitu and Jyoti.

Solution

$$\text{Jyoti's share} = \frac{3}{10}$$

$$\text{Ashu's new share} = \frac{3}{5} - \frac{2}{10} = \frac{4}{10}$$

$$\begin{aligned} \text{Nitu's new share} &= \text{Old share} - \text{Share Surrendered} \\ &= \frac{2}{5} - \frac{1}{10} = \frac{3}{10} \end{aligned}$$

The new profit sharing ratio between Anshu, Nitu and Jyoti will be 4 : 3 : 3.

Illustration 4

Ram and Shyam are partners in a firm sharing profits in the ratio of 3:2. They admit Ghanshyam as a new partner. Ram surrenders $\frac{1}{4}$ of his share and Shyam $\frac{1}{3}$ of his share in favour of Ghanshyam. Calculate new profit sharing ratio of Ram, Shyam and Ghanshyam.

Solution

$$\begin{aligned}\text{Ram's old share} &= \frac{3}{5} \\ \text{Share surrendered by Ram} &= \frac{1}{4} \text{ of } \frac{3}{5} = \frac{3}{20} \\ \text{Ram's new share} &= \frac{3}{5} - \frac{3}{20} = \frac{9}{20} \\ \text{Shyam's old share} &= \frac{2}{5} \\ \text{Share surrendered by Shyam} &= \frac{1}{3} \text{ of } \frac{2}{5} = \frac{2}{15} \\ \text{Shyam's new share} &= \frac{2}{5} - \frac{2}{15} = \frac{4}{15} \\ \text{Ghanshyam's new share} &= \text{Ram's sacrifice} + \text{Shyam's Sacrifice} \\ &= \frac{3}{20} + \frac{2}{15} = \frac{17}{60}\end{aligned}$$

New profit sharing ratio among Ram, Shyam and Ghanshyam will be 27:16:17