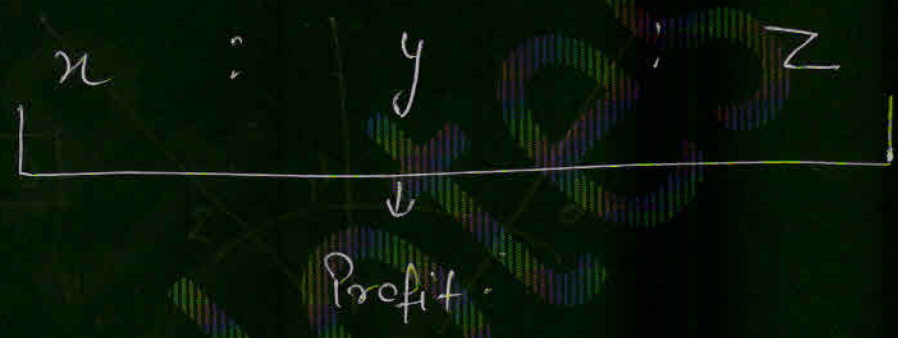


* PARTNERSHIP *

$$A : B : C$$

$$C \times T : C \times T : C \times T$$

C = Capital
T = time.



$$\frac{A}{B} = \frac{C \times T}{C \times T} \times \frac{P_A}{P_B}$$

→ formula

Q. A & B Invest Rs 40000 & 60000 for 12 months & 4 months respectively. If their total profit is

Rs = 7200. then find the profit A.

$$\boxed{A} \begin{matrix} 2 & 4 \\ \times & 40000 \times 12 \end{matrix} : \begin{matrix} \boxed{B} \\ 60000 \times 4 \end{matrix}$$

$$\begin{array}{r} 2 \\ \times 2400 \\ \hline 4800 \end{array}$$

Ay

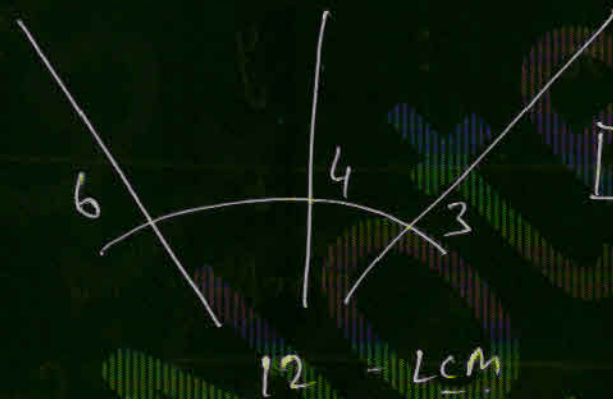
$$2400 = 3$$

$$\begin{array}{r} 3 \text{ --- } 7200 \\ 1 \text{ --- } 2400 \end{array}$$

Q1

2 times of A's capital is equal to 3 times of B's capital. which is equal to four times of C's equal. find the ratio of their profit.

$$2A = 3B = 4C$$



Q2

A & B Invest Rs 40000 & 50000 to start a business after four months A Invest Rs 10000 more and B withdraw Rs 10000, if the total profit after one year was 81000 then find of Profit of B.

A	:	B
40000 × 4	:	50000 × 4
160000		200000

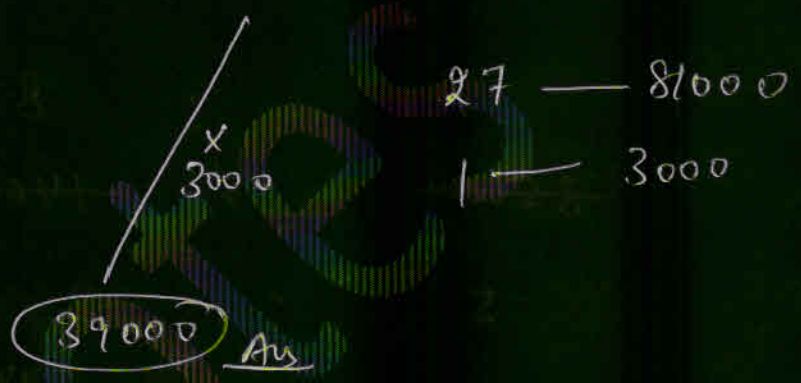
$$\frac{50000 \times 8 = 400000}{560000}$$

$$\frac{40000 \times 8}{520000}$$

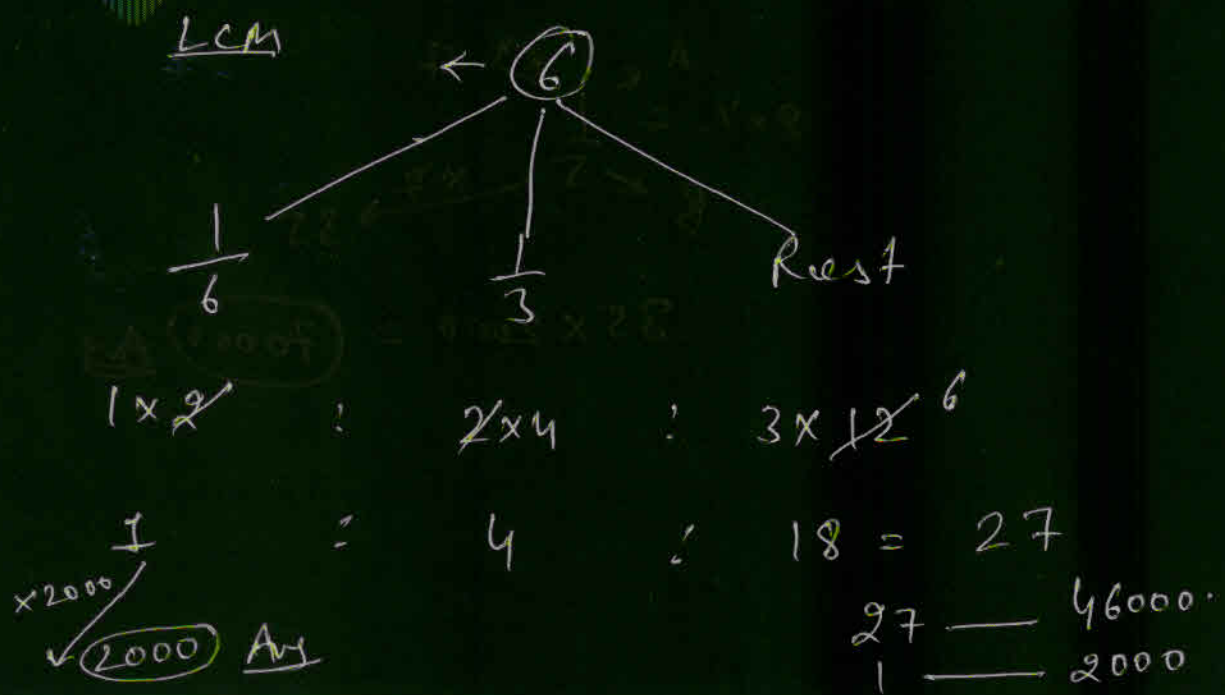
$$\begin{array}{r}
 160000 \\
 + 400000 \\
 \hline
 560000 \\
 14
 \end{array}$$

$$\begin{array}{r}
 200000 \\
 320000 \\
 \hline
 520000 \\
 13
 \end{array}$$

$$14 : 13 = 27$$

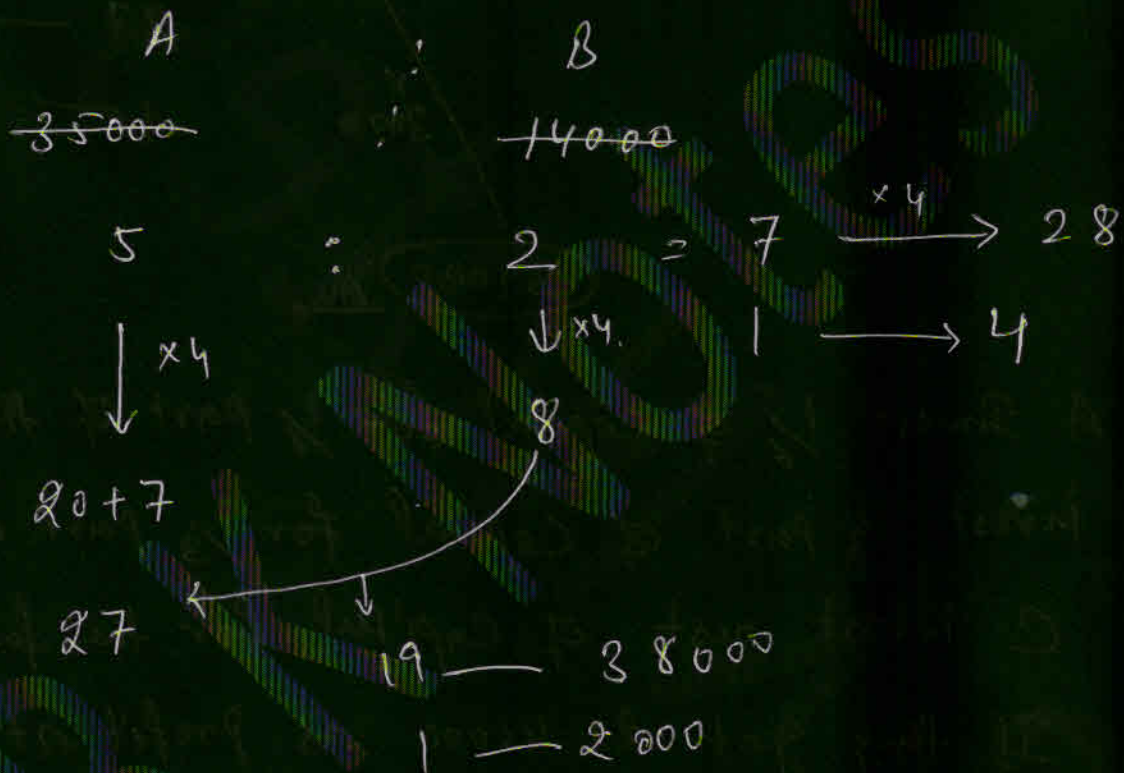


Q1 A invest $\frac{1}{6}$ of capital for $\frac{1}{6}$ part of time. B invest $\frac{1}{3}$ part of capital for $\frac{1}{3}$ part of time. C invest rest of capital for the full time. If they got Rs 46000 as profit at the end of year. then find the profit of A.



Q1-

A & B starts a business in Rs 35000 & 14000.
A gets 20% of the profit for doing management work & rest of the profit is divided according to their capital. If A gets rupees 38000 more than B. then find the total profit.



$$A's = 1 \times 7 = 7$$

$$20\% = \frac{1}{5} \times 7$$

$$B \leftarrow 5 \xrightarrow{\times 7} 35$$

$$35 \times 2000 = \boxed{70000} \text{ Ans}$$

Q1- A, B, C start a business with their investment in the ratio 1:2:4 after 6 months A increase his capital 50%. B invested twice the capital as before and C withdrawal $\frac{1}{4}$ part of his capital. find what will be the ratio end of the year.

$$1 \times 6 \quad : \quad 2 \times 6 \quad : \quad 4 \times 6$$

$$\underline{6} \quad : \quad \underline{12} \quad : \quad \underline{24}$$

$$1.5 \times 6 \quad : \quad 6 \times 6 \quad : \quad 3 \times 6$$

$$\underline{9} \quad : \quad \underline{36} \quad : \quad \underline{18}$$

$$6 + 9 = 15 \quad : \quad 12 + 36 = 48 \quad : \quad 24 + 18 = 42$$

$$\underline{15} \quad : \quad \underline{48} \quad : \quad \underline{42}$$

$$\boxed{5 \quad : \quad 16 \quad : \quad 14} \quad \text{Ans}$$