## PARTNERSHIP [स झे दा री

1. (a)

Capital $\rightarrow$| A |
| :---: |
| 46,000 |
| 4 |$\quad:$

B
63,000
7
Note $\rightarrow$ When time is same thenprofit will divided in the ratio of their capital.

Required investement by B

$$
=\text { Rs } 42000
$$

Alternate : Note: - To save your valuable time in such type of question try to use below given formula.

$\therefore(4+7)$ units $=$ Rs 5500
11 units $=$ Rs 5500
1 unit $=\operatorname{Rs} \quad \frac{5500}{11}=\operatorname{Rs} 500$
Share of A (A का हिस्स )
$=500 \times 4=$ Rs 2000
Share of B (B का हिस स )
$=500 \times 7=$ Rs 3500
2. (d)

3. (b) Let the capital invested by B (मा ना B द्वा रा लगा इ गई प्रं $x$ की प्र

|  | A | $:$ | B |  |
| :---: | :---: | :---: | :---: | :---: |
| Capital $\longrightarrow 36,000$ |  |  | $x$ |  |
| Time $\longrightarrow$ | 12 | $:$ | 8 |  |
|  |  | $:$ | 2 |  |
| Profit $\longrightarrow 108,000$ | $:$ | 2 | $x$ |  |

According to the question,
$\frac{108,000}{2 \mathrm{x}}=\frac{9}{7}$
$x=\frac{108,000}{18}=42,000$

Where $\mathrm{C}_{1}$ and $\mathrm{C}_{2}$ are the capitals.
(जा़ा $\mathrm{C}_{1}$ तथ $\mathrm{TC}_{2}$ पं $_{\alpha}$ जे है )
$\mathrm{T}_{1}$ and $\mathrm{T}_{2}$ are profits. ( $\mathrm{T}_{1}$ तथ $\mathrm{T} \mathrm{T}_{2}$ समय वधिहै )
$\mathrm{P}_{1}$ and $\mathrm{P}_{2}$ are profits. $\quad\left(\mathrm{P}_{1}\right.$ तथ $T \mathbb{P}_{2}$ समय वधिहै )
Let capital invested by B (B द्वा रा लगा इ गई घ्रंの जि ) Rs. x
$\frac{36000 \times 12}{x \times 8}=\frac{9}{7}$
$\mathrm{x}=$ Rs 42000
(a) According to the question,
$(312+144+25 T)$ Units $=15,453$
1 unit $=\frac{15,453}{(456+25 \mathrm{~T})}$
Share of C (c का हिर्स )
$=\frac{15,453}{(456+25 \mathrm{~T})} \times 25 \mathrm{~T}$
$\frac{15,453}{(456+25 \mathrm{~T})} \times 25 \mathrm{~T}=3825$
Note : Because C's share $=$ Rs 3825 .
$101 \mathrm{~T}=456+25 \mathrm{~T}$
76 T = 456
$\mathrm{T}=6$ months
Required time (अभ $\dagger \uparrow$ ठट स्टय) $=(9-6)=3$ months
Therefore $C$ joined 3 months later than $B$ joined (अन: C ने B से 3 मही ने बा द पं ${ }_{\circ}$ जी लगाई ई )
5. (c) Note : We can assume values as per our need but the ratio of values should not be
chnaged (हम अप्मी सु विध अनु सारकु छ $\%$ T $\uparrow$

मा न सकते है ले किन अनु प तस्सा न रहना चा हिए

|  |  | A | $:$ | B | $:$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Initial capital | $\rightarrow$ | C |  |  |  |
| $2 x$ | $:$ | $4 x$ | $:$ | $8 x$ |  |

Total capital invested by A (A द्वा रा लगा इ गई पं ${ }_{\text {a }}$ )
$=(2 x \times 6+3 x \times 6)=30 x$
Total capital invested by B पं ${ }_{\circ}$ जी )
$=(4 x \times 6+8 x \times 6)=72 x$
Total capital invested by C
(B द्वा रा लगा ई गई

पं ${ }_{\circ}$ जि)
$=(6 \times 8 \mathrm{x}+6 \mathrm{x} \times 6)$
$=(48 x+36 x)=84 x$
New ratio of capitals: (पू जे का नय अनु प त)


Note : Profit would be divided in the ratio of theircapitals. (ला $\mp \Gamma^{\prime}$ पू जी के अनु प तमे ${ }^{\circ}$ बट` गा ) Required ratio of their profit (ला \& $\Gamma$ का अभ $\dagger$ ष ठ (d) अनु प त) $=5: 12: 14$
6. (a)
$\left.\left.\begin{array}{ccc} & \mathrm{A} & : \\ \text { Capital } \longrightarrow & \mathrm{B} \\ \text { 52,000 } & & 39,000 \\ 4 \\ \text { Profit } \longrightarrow & 12 \\ 3\end{array}\right) \begin{array}{c}: \\ : \\ :\end{array}\right]$

Profit $\longrightarrow$\begin{tabular}{ccc}
12 <br>
2

$\quad:$

6 <br>
1
\end{tabular}

Let profit of A (मा ना A का ला $q \mathrm{~T} \Rightarrow 200$
and profit of B (मा ना B का ला $+T \Rightarrow 100$
Total profit (कु ल ला $\% T \Rightarrow 300$ units
For rumning business $B$ received (ढ यवसा य
चला ने के लिएु द्वा रा ज्ञातरा शि )
$=\frac{300 \times 25}{100}=75$ units
Note : Remaining profit will be divided in
the ratio of their capitals. ( ${ }^{\prime}$ ठा ला $\mathcal{T} \dagger$ पं ${ }_{\circ}$ जे के
अनु प तमे बट गा )
$\therefore$ Profit of $\mathrm{A}=\frac{225}{3} \times 2$
$=150$ units
Profit of $B=\frac{225}{3} \times 1=75$ units
Total profit of B (B का कु ल ला \& T )
$=(75+45)=150$ units
According to the question,

150 units = Rs 20,000
1 unit $=$ Rs $\quad \frac{20,000}{150}$
150 units $=\operatorname{Rs} \quad \frac{20,000}{150} \times 150$
$=\operatorname{Rs} 20,000$
(c) Let the total profit (मा ना कु ल ला \% T )
= Rsk
According to the question,
Remaining profitafter paying $20 \%$ working
partner's commission (का म करने वा ले प टर मर का $20 \%$ कमी प्र न दे ने के बा द बचा ल्म (k干) 8000)
$\therefore(\mathrm{k}-8000) \times \frac{20}{100}=8000$
$\mathrm{k}=48000$
$\therefore$ Total profit $=$ Rs 48000


Note : Profit would be divided in the ratio of theircapitals. (ला $\frac{T}{}$ पू जी के अनु प तमे

According to the question,
$9 x=9,00,000 \times \quad \frac{80}{100}$
$9 x=7,20,000$
$x=80,000$
Profit of $\mathrm{P}=2 \quad x=2 \times 80,000=$ Rs $1,60,000$
Profit of $\mathrm{Q}=3 \quad x=3 \times 80,000=$ Rs $2,40,000$
Profit of $\mathrm{R}=4 \quad x=4 \times 80,000=\mathrm{Rs} 3,20,000$
9. (c) Let the share of A (मा ना A का हिस स $)=\mathrm{x}$ According to the question,

| A | $:$ | B | $:$ | C |
| :--- | :--- | :--- | :--- | :--- |
| Capital $\rightarrow x$ |  | $2 x$ |  | $(4 x-50)$ |

$(x+2 x+4 x-50)=13,950$
$7 x-50=13,950$
$7 x=14000$
$x=2000$
Share of $\mathrm{A}=$ Rs 2000
10. (c) Capital of A (i) Rs 45000

Capital of B (ii) Rs 30,000
Ratio of $\mathrm{P}_{1}: \mathrm{P}_{2}=2: 1$
Now by using formula,
$\frac{\mathrm{C}_{1} \mathrm{~T}_{1}}{\mathrm{C}_{2} \mathrm{~T}_{2}}=\frac{\mathrm{P}_{1}}{\mathrm{P}_{2}}$

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$\frac{45000 \times 12}{30000 \times \mathrm{T}_{2}}=\frac{2}{1}$
$\mathrm{T}_{2}=9$
Then B would join business after (अत: B ० यदसा यमे निवे प्र करता है12) 9)

## $=\mathbf{3}$ months

11. (a) Let $Y$ 's investment is used for $T$ months (मा नाY की पं ${ }_{\circ}$ ती मही नां के लिएइ से ते मा ल की गई $\rightarrow$ Now by using formula.
$\frac{5 \times 8}{6 \times \mathrm{T}_{2}}=\frac{5}{9}$
$\mathrm{T}=12$ months
12. (d)
$\left.\begin{array}{ccccc}\text { No. of lows } & \rightarrow & 16 \\ \text { Time } & \rightarrow & 3 & \mathrm{~N} & \mathrm{O} \\ 20 & \mathrm{P} \\ 4 & 18 & 42 \\ 4 & 6 & 2\end{array}\right)$

According to the question,
12 unit $=$ Rs 2400
1 unit $=$ Rs $\quad \frac{2400}{12}$
27 units $=$ Rs $\quad \frac{2400}{12} \times 27=$ Rs 5400
13. (c) Let C subscribes the business
(मा नाC ने
निवे प किय $\neq x$ रुप्ये
Capital $\rightarrow(x+12000): \quad \begin{array}{ll}\mathrm{A} & : \\ (x \quad+\end{array}$ 5000): $x \quad$ Note : Profit would be divided in the ratio of theircapitals.

According to the question,
$(x+12000)+(x+5000)+x=47000$
$3 x+17000=47000$
$3 \mathrm{x}=30000$
$\mathrm{x}=10,000$

A $:$| A |
| :--- |
| Capital $\rightarrow 22,000$ |$: 15000$

Profit $\rightarrow 22:$
$(22+15+10)$ units $=4700$
1 unit $=$

Share of $\mathrm{C}=10$ units $=10 \times 100=$
Rs 1000

| $1_{\times 5}$ | $:$ | $2_{\times 5} \ldots \ldots . . . . .(I)$ |
| :--- | :--- | :--- |
| B | $:$ | $\mathrm{A}+\mathrm{C}$ |
| $1_{\times 3}$ | $:$ | $4_{\times 3} \ldots \ldots \ldots .$. (II) |

Note: The total sum of $\mathrm{A}, \mathrm{B}$ and C will be same.
So equate the sum of both the equations.
After that new ratio, (A,B तथ T IC का कु लध न बरा बरहै अतः दा' ना' ${ }^{\prime}$ सी करण $\mathrm{T}^{\prime}$ का' बरा सर करने के बा द नय अनु प तहै )
$\mathrm{A} \quad: \quad \mathrm{B}+\mathrm{C}$
$5 \quad: \quad 10$ $\qquad$
B : A + C
3 : 12............(IV)

From equation (iii) and (iv)
5
B
C

According to the question,
$(5+3+7)$ units $=$ Rs 11250
15 units = Rs 11250
1 unit = Rs 750
Differences in shares of $A$ and $B$
( A तथ $\mathrm{T} \mathbb{B}$
के हिस्स से में तर)
$=(5-3) \times 750$
1500 Rs
15. (a)


Profit $\longrightarrow 50,000: 40,000$
Note: Always remembers when time is same the profit will be divided in the ratio of their profit. (ज़ भ T १ स्मयस्सा न हा' ता है ता ला $\stackrel{\uparrow}{ }$ पू जे के अनु प तमे बट ता है)
16. (c)

$\therefore$ Hence Required ratio (अभ $\uparrow \uparrow$ ष्ट अनु प त)
= $15: 8$
17. (a) Capital of $A$ ( $A$ की पं ${ }_{\text {a }} \Rightarrow 21,000 \mathrm{Rs}$

Capital of B (B की पू जे=) 36,000 Rs By using formula,
14. (b) $\mathrm{A} \quad: \quad \mathrm{B}+\mathrm{C}$

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$\frac{\mathrm{C}_{1} \times \mathrm{T}_{1}}{\mathrm{C}_{2} \times \mathrm{T}_{2}}=\frac{\mathrm{P}_{1}}{\mathrm{P}_{2}}$
$\frac{21000 \times 12}{36000 \times \mathrm{T}_{2}}=\frac{1}{1}$
$\mathrm{T}_{2}=7$ months
$\therefore$ SoBjoinedbusinessafter (ता' B ने $\overline{\text { ० यम य }}$
में निवे प्र किय )
( $12-7=5$ ) months
18. (b)

|  | A | B |
| :---: | :---: | :---: |
| Capital $\rightarrow$ | 1,85,000 | 2,25,000 |
| Profit $\rightarrow$ | 37 | 45 |
|  | $\downarrow \times 200$ | $\downarrow \times 200$ |
|  | 7400 | 9000 |
| Total Profit | 400 + 9000) | Rs 16400 |

19. (d)

|  | A |  | B |
| :--- | :---: | :--- | :--- |
| Capital $\rightarrow$ | 35,000 | $:$ | 56,000 |
| Profit $\rightarrow$ | 5 | $:$ | 8 |



4500
Total Profit $=(45000+72,000)$
= Rs 1, 17, 000
20. (d)

| A | $:$ | B |
| :---: | :---: | :---: |
| 40,000 | $:$ | 75,000 |
|  | 8 | $:$ |
| Time $\longrightarrow$ | 5 | $:$ |
| Profit $\longrightarrow$ | 8 | $:$ |

Note: If time is same then ratio of their profit will be divided in the ratio of their capital. (ज़ क Tी समयस्मा न हा` ता है ता ला भ T 24. (d) के अनु प तमें बट ता है )
$\because(8+15)$ units $=$ Rs 46,000

$$
23 \text { units = Rs 46,000 }
$$

$$
1 \text { unit = Rs 2,000 }
$$

15 units $=8 \times 2,000=\mathrm{Rs}$
16,000
$\because$ Share of A (A का हिस्स $)=$ Rs 16,000
21. (c)

Capital $\rightarrow \quad 25,000 \quad: \quad 30,000$


According to the question,
$(5+3)$ units = Rs 46,000
1 unit $=$ Rs $\frac{46000}{8}$

3 units $=$ Rs $\frac{46000}{8} \times 3$
$=$ Rs 17,250
Hence share of B (B का हिस सा )
$=$ Rs 17,250
22 (b) Total investment of A in 4 years (4 वष्ण $\mathrm{T}^{\wedge}{ }^{\circ} \mathrm{A}^{\circ}$
का कु लनिवे प )
$=40,000+50,000+60,000+70,000$
$=22,00,000$
Total investment of B in 2 years (2 वष्ण $\mathrm{T}^{\circ}$
$B$ का कु लनिवे च)
$=85,000 \times 2=170,000$

|  | A | B |
| :--- | :--- | :--- |
| Capital $\rightarrow 22,0000 ~$ | $:$ | 170,000 |
| Profit $\rightarrow 22$ | $:$ | 17 |
| According to the question, |  |  |
| (22 + 17) units $=$ Rs $1,95,000$ |  |  |
| 39 units $=$ Rs $1,95,000$ |  |  |

$$
39 \text { units }=\text { Rs } \quad \frac{1,95,000}{39} \times 22
$$

$=$ Rs $1,10,000$
23. (c) Let the Y 's capital was used for T months

According to the question,
$\frac{7 \times 8}{9 \times T}=\frac{8}{9}$

## $\mathrm{T}=\mathbf{7}$ months

Hence capital of $Y$ was used for 7 months
(अतः $Y$ की पं ज्रि मही ना' के लिएइस ते मा लकी इ )
24. (d) Let the capitals of $Y$ was used for $T$ months (मा नाY की पं पा मही ना' ${ }^{\circ}$ के लिएइ से ते मा ली According to question.
$\frac{5 \times 8}{6 \times \mathrm{T}}=\frac{5}{9}=\mathrm{T}=\mathbf{1 2}$ months
Hence capital of Y was used for $=12$ months
25. (b)


According to the question,
Note : $60 \%$ of profit should be divided equally between them (अत: $60 \%$ ला $\% ~ T$ उ नक
बी च बरा बर बट गा )
8 units $=$ Rs 300

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1 unit $=\frac{300}{8}$
42 units $=\frac{300}{8} \times 42$
$\therefore 40 \%$ of profit $=$ Rs $\quad \frac{300}{8} \times 42$
Total Profit $=$ Rs $\quad \frac{300 \times 100}{8 \times 40} \times 42$
= Rs 3937.50
26. (d) Ist Brother : 2ndBrother

Capital $\rightarrow$ 50,000 : 70,000

$=57$ units
According to the question,
57 units $=$ Rs 8550
1 unit $=\frac{8550}{57}$
100 units $=\frac{8550}{57} \times 100=$ Rs $\quad 15000$
Alternate : $\quad \mathbf{X} \quad \mathbf{Y}$
3
3 units $=$ Rs 8550
1 unit $=$ Rs $\quad \frac{8550}{57}=$ Rs 2850
5 units $=2850 \times 5=\quad$ Rs 14250
Note : $5 \%$ of total profit is donated (ला $\mp$
का $5 \%$ दा न में दिय जा ता है )
$\therefore 95 \%$ of total profit $=$ Rs 14250
$1 \%$ of total profit $=$ Rs

$$
\frac{14250}{95}
$$

$100 \%$ of total profit
$=\operatorname{Rs} \frac{14250}{95} \times 100$
$=$ Rs $\mathbf{1 5 , 0 0 0}$
27. (b) Let the total profit $=100$ units

Remaining profit after donation
(दा न दे ने के
बा द बचा ला $\% \not \equiv 00-\frac{100 \times 5}{100}$

$$
=95 \text { units }
$$

$\therefore$ Share of $\mathrm{X}=\frac{95}{(3+2)} \times 3$
$=57$ units
According to the question,
57 units $=$ Rs 8550
1 unit $=\frac{8550}{57} \times 100=$ Rs 15000
Alternate : $\quad \mathbf{X} \quad: \quad \mathbf{Y}$

3 units $=$ Rs 8550
1 unit $=$ Rs $\quad \frac{8550}{57}=$ Rs 2850
5 units $=2850 \times 5=\quad$ Rs 14250
Note : $5 \%$ of total profit is donated
(ला $\%$ T
का $5 \%$ दा न मे दिय जता है )
$\therefore 95 \%$ of total profit $=$ Rs 14250
$1 \%$ of total profit $=$ Rs $\quad \frac{14250}{95}$
$100 \%$ of total profit
$=\operatorname{Rs} \frac{14250}{95} \times 100$
$=$ Rs $\mathbf{1 5 , 0 0 0}$
28. (a)


Note : (i) We know
Profit $=$ Time $\times$ Capital invested
(ii) In such type of questions we should assume value of time as they can satisfy
the ratio of profit. (इसप्र का र के प्र सा' मे ${ }^{\circ}$ म समयका एस मान रखते है जा $\frac{T}{}$ के अनु प का संतु ष्ट करता है )
$\therefore$ Required ratio of Time (स्मय का अभ T १ ष्ट
अनु प त) $=1: \frac{1}{2}: \frac{3}{2}$
= $2: 1: 3$
Alternate :-
Profit $=$ Time $\times$ Capital Invested
Time $=\frac{\text { Profit }}{\text { Capital Invested }}$
Required ratio of time $=\frac{5}{5}: \frac{3}{6}: \frac{12}{8}$
$=1: \frac{1}{2}: \frac{3}{2}$
$=2: 1: 3$
29. (a) Total capital invested by $X$ in a year

द्वा रा एसा लमें निवे शि तपू जे )
$=16,000 \times 3+11000 \times 9=$ Rs 147,000
Total capital invested by Y inayear
( Y द्वा रा

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एकस ले निवे शितपं जे )
$=12000 \times 3+17000 \times 9$
=Rs 189,000
Money invested by $Z=21,000 \times 6$
=Rs 126,000

|  | $\mathbf{X}$ | $:$ | $\mathbf{Y}$ | $:$ | $\mathbf{Z}$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Capital $\rightarrow$ | 147 | $:$ | 187 | $:$ | 126 |
|  | 7 | $:$ | 9 | $:$ | 6 |

According to the question,
$(7+9+6)$ units $=$ Rs 26,400
1 unit $=$ Rs $\frac{26,400}{22}$
$=$ Rs 1,200
Required difference (अं $\dagger \uparrow$ ठ ठ अं द्र $(9)-6) \times$
$1200=$ Rs 3600
30. (a) According to the questions,

$\therefore$ Required ratio of capital
= 6:3:1
31. (A) X
$\begin{array}{lll}2_{\times 3} & : & Z\end{array}$
X : Y
$3_{x 2} \quad: \quad 2_{x 2}$
Note: X will be same inboth cases, hence
new required ratio ( X दा' ना' सिथा तियें में समा न है अतः नय अनु प त)
6

According to the question,
$(6+4+3)$ units $=$ Rs $1,57,300$
13 units = Rs 1,57,300
1 unit = Rs $1,21,00$
4 units $=1,2100 \times 4$

$$
=\operatorname{Rs} 48,400
$$

$\therefore$ Share of $Y=$ Rs 48,400
32. (a) Let the total time (मा ना कु लस्मय) $=8$ years Let the total capital (मा ना कु ल पं ${ }_{\circ}$ जो )
$=20$ units


According to the question,
$(5+8+44)$ units $=$ Rs 1140

57 units $=$ Rs 1140
1 unit $=$ Rs $\quad \frac{1140}{57}=$ Rs 20
Profit of $\mathrm{X}=20 \times 5=$ Rs 100
Profit of $Y=20 \times 8=$ Rs 160
Profit of $Z=20 \times 44=$ Rs 880
33. (c) Let total profit (मा ना कु ल ला $\mathcal{T}$ )
$=24$ units
Profit of $\mathrm{A}=\frac{1}{8} \times 24=3$ units
Profit of $B=\frac{1}{3} \times 24=8$ units


We know,
Capital $\times$ Time $=$ Profit

$\frac{13}{8}$ units $=1560$
1 unit = Rs 960
$\mathrm{y}=\mathrm{Rs} 1260$
$x=\frac{3}{4} \times 960=$ Rs 720
Capital of $\mathrm{A}=\mathrm{Rs} 720$
Capital of $\mathrm{B}=$ Rs 1280
34. (d) Let the captial (मा ना कु ल पू ज्ञ 18 units Let the time (मा ना कु ल स्मय) $=6$ years


According to the question,
$(1+4+18)$ units $=$ Rs 23000
23 units $=$ Rs 23000
1 unit $=$ Rs 1000
4 units $=$ Rs $1000 \times 4=$ Rs 4000
Share of $Y$ is Rs 4,000
35. (b) A

B
According to the question,

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$(4+5)$ units $=$ Rs 14,130
1 unit $=\operatorname{Rs} \quad \frac{14,130}{9}=$ Rs 1570
5 units $=5 \times 1570=$ Rs 7850

- Hence share of B (B का हिस सा )
= Rs 7850

36. (b) Total Rent = Rs 300

|  | X Y |
| :---: | :---: |
| No of animals | $10 \quad 15$ |
| Time (in weeks) |  |
| Ratio of Rent | $5 \bigcirc 7$ |
|  | 50 : 105 |
|  | 10 : 21 |

37. (a) Initial Ratio of investements by A and B
 Let their respective investement are $2 x$ and 3x
According to question
If A added Rs 10000 to his investment
ThenNew Ratio (यदि $A$ ने 10 हजा र आ र निवे प्र किएता' नय अनु प तझ $3: 2$
$\frac{2 x+10,000}{3 x}=\frac{3}{2}$
$4 \mathrm{x}+20,000=9 \mathrm{x}$
$5 x=20000$
$\mathrm{x}=\operatorname{Rs} 4000$
$\Rightarrow$ Original investment by A
निवे प $=2 \times 4000=R s 8000$

## Alternative

| A | $:$ | B |
| :--- | :--- | :--- |
| $2 \times 2$ | $\vdots$ | $3 \times 2$ |
| $3 \times 3$ | $:$ | $2 \times 3$ |

Note : We know A has an additional amount. So amount of B would be same
( A का वा सतिकरहे गी )
After that new Ratio
$+5\left(\begin{array}{ccc}\mathrm{A} & \vdots & \mathrm{B} \\ 4 & \vdots & 6 \\ 9 & : & 6 \\ \hline\end{array}\right.$

According to the question
5 units $=$ Rs 10,000
1 unit = Rs 2,000
Initial capital of $A$ ( $A$ का आ रं भि $T$ कनिवे श )
$=2000 \times 4=$ Rs 8000
38. (d) Let Capital be Rs 11x and Y'scapital be Rs 12 x and let time for which $Y$ invested capital is $\mathrm{T}_{2}$ months (मा ना किपं ${ }_{\circ}$ जीx तथ T $Y$ की पू जे तथ $T T$ स्मयक्रमश $12 x$ तथ $T \Gamma_{2}$ है ) By using formulas,
$\frac{\mathrm{C}_{1} \times \mathrm{T}_{1}}{\mathrm{C}_{2} \times \mathrm{T}_{2}}=\frac{\mathrm{P}_{1}}{\mathrm{P}_{2}}$
$\frac{11 \mathrm{x} \times 8}{12 \mathrm{x} \times \mathrm{T}_{2}}=\frac{2}{3}$
$\mathrm{T}_{2}=11$ months
Hence the time for which $Y$ invested his capital is 11 months (अतः $Y$ ने 11 मही ना' के लिएपं जे निवे श्र की )
39. (c) Total investment by $\mathrm{A}, \mathrm{B}$ and C
( $\mathrm{A}, \mathrm{B}$ तथ T T
C द्वा रा कु लनिवे शs 47,000
Let amount invested by C (मा नाB की पं जी = रु x
thenamount invested by B (मा नाA की पं जी
$=$ रु $(x+3000+5000)$ [given] According
to question
$x+(x+3000)+(x+3000+5000)$
$=47000$
$3 \mathrm{x}+11000=47000$
$3 x+36000$
$\mathrm{x}=$ रु 12000

| A |  | B | C |
| :---: | :--- | :--- | :--- |
| Ratio of $(\mathrm{x}+800)$ | $:(\mathrm{x}+3000)$ | $: 12000$ |  |
| Amount $(12000+8000):$ | $(1200+3000)$ | $: 12000$ |  |
| 20,000 | $: 15$ | $: 12$ |  | 20,000

Since the time ofrwhich the amountswere invested was same for all partners the ratio of amounts will be the ratio of profits (ज
$\mathcal{F} \uparrow \uparrow$ स्मयस्मा न हा' ता हे ता रा शि ला $\mathcal{T} \dagger$ के अ
हा' गीShare of A total profit (A का हिस सा)
$=\frac{14100}{20+15+12} \times 20=$ रु 6000
40. (b) Total cost of thing a car $=$ रु 4,160

According to question,
Time of using car $\quad \frac{\mathrm{A}}{7} \frac{\mathrm{~B}}{8} \frac{\mathrm{C}}{11}$ in hours
Here the ratio of time will be the ratio of
rent each person has to pay (अाँ स्मयका
अनु प तप्र $₹$ ये कठ यक तद्वा रा $\% ~ T$ रे गएक्रा य $T$ कमनु प त
हा' गा )।

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$\Rightarrow$ ratio of rents 7:8:11 to be paid
Rent shared by A(A द्वा रा दिय गय किरा) यह
$\frac{4160 \times 7}{7+8+11}=$ रु 1120
42. (c) Let total profit $=16$ units According to question Profit share of $\mathrm{A}(\mathrm{A}$ का हिस्सा =
$\frac{3}{16} \times 16$ units
Profit share of C (C का हिस्स $=\frac{1}{4} \times 16=4$ units
then profit share of $\mathrm{C}(\mathrm{C}$ का हिस सा $=[16$ -
(4+3)]
$=9$ units
But profit of $\mathrm{C}=$ रु 243 [given]
9 units = रु 243
1 units $=$ रु 27
Profit share of $\mathrm{B}(\mathrm{B}$ का ला भे $\mathrm{T}=4$ units
$=27 \times 4=$ रु 108
43. (c) Total profit $=$ रु 880

Since A gets $15 \%$ of total profit for
 के लिएमिलता है)
$\therefore$ Remanining profit $=880-\quad \frac{880 \times 15}{100}$
$=$ रु 748

|  | A | B |
| :--- | :---: | :---: |
| Amounts | 5,000 | 6,000 |
| Ratio of Capital | 5 | 6 |

The remaining profit is being divided in
the ratio of capital (बचा ला $\% T$ )'s share of

$=\frac{748}{5+6} \times 5=$ रु 340
Total profit Received by A (A का कू ल ला ) T
$=340+132=$ रु 472
44. (b)
$\begin{array}{lr} & \text { A } \\ \text { Amountsinvested } & 14,000\end{array}$

$$
\begin{gathered}
\text { time (in months ) } \quad 12 \quad 7 \quad 5 \\
\hline 1,68,000
\end{gathered}
$$

Ratio of profits $4: 3: 2$
Let their profits $4 \mathrm{x}: 3 \mathrm{x}: 2 \mathrm{x}$
are
$4 \mathrm{x}=1,68,000$
$\frac{168000}{4}=42,000$
$\Rightarrow$ Capital invested by C (C का हिस पा
$=\frac{84000}{5}$
=रु 16,800
45. (b) Let total capital of $A, B$ and $C$ ( $A, B$ कि कु ल पू ${ }^{\text {® }}=15$ units

Let total time forinvestment (मा ना कु लस्मय)
$=12$ units
Now, According to question
A
Capitals $\quad \frac{1}{3} \times 15$ units $\quad \frac{1}{5} \times 15$ units


Total profit $=5+2+28=35$ units also
total profits $=$ रु 1820 (Given)
35 units $=$ रु 1820
1 units $=\frac{1820}{35}=$ रु 52
Hence A's share in profit (अत: A का ला $\%$ T )
$=5$ units $=52 \times 5=$ रु 260
46. (c) Let ratio of profit of $A$ and $B$ is $a: b$.
$\therefore$ Ratio of profit of $B$ and $C=a: B$
$\mathrm{A}: \mathrm{B}: \mathrm{C}$
$\mathrm{a}_{\mathrm{xa}}$ : $\mathrm{b}_{\mathrm{xa}}$ : $\mathrm{b}_{\mathrm{xb}}$
Note: Value of B would be same in both
cases (दा' ना' ${ }^{\prime}$ सि $\begin{aligned} & \text { हितसो } \\ & \text { मामें समा न रहे गा ) }\end{aligned}$
$\mathrm{A}: \mathrm{B}: \mathrm{C}$
$\mathrm{a}^{2}: \mathrm{ab}: \mathrm{b}^{2}$
According to the question,

|  | $a^{2}=6400$ |
| :--- | :--- |
|  | $a=80$ |
| Simlarly | $b^{2}=10.000$ |
| $\Rightarrow \quad$ | $b=100$ |

Amount recived by B (B का मिली रा fि
$=\mathrm{ab}=80 \times 100$
$=$ रु 8,000
47. (d)

$$
\begin{array}{rlrl}
\text { Capital } \rightarrow & 20,000 & : & 4,000 \\
5 & : & 1 \\
& \text { A's Salery } & = & \text { रु } 12,00
\end{array}
$$

Remaining profit ( ${ }^{\prime}$ ठा ला $\left.\% ~ T ~\right) ~$
$=$ (1800-1200) = रु 600
6 units $=$ रु 600
1 units $=$ रु 100
share of $A$ (A का हिस सा
$=100 \times 5=$ रु 500
share of $B(B$ का हिस्स
$=100 \times 5=$ रु 100
$\therefore$ Total share of A (A का कु लहिस सा= 1200
$+500)=$ रु 1700
Total share of B(B का कु लिहस स = रु 100
48. (a) Let the total share (मा ना कु ल हिस सा=) 100 units

Share of C (C का हिस सा $=\frac{100}{4}=25$ units
Remaining share $=(100-25)=75$ units
$\therefore$ Share of $\mathrm{A}=\frac{75}{3+2} \times 3=45$ units
Share of B $=\frac{75}{3+2} \times 2=30$ units
A
New pfofit sharing Ratio $=45: \quad 30: 25$
Required Ratio (अभ $T$ ष्ट अनु प二्न) $9: 6: 5$
49. (b) Letthetotal share (मा ना कु लहिस खाख00units
$\therefore$ Share of $\mathrm{C}(\mathrm{C}$ का हिस सा
$=200 \times \frac{1}{4}=50$ units

$=(200-50)=150$ units
$\therefore$ share of $A=\frac{200}{3+2} \times 3=120$ units
share of $B=\frac{200}{3+2} \times 2=80$ units
According to the question, C recives equal amounts from $A$ and $B(A \quad \bar{\Gamma} T थ B$ से $C$ समा न रा पि ले ता) है
$\begin{aligned} & \therefore \text { A's remaining share }=(120-25) \\ &=95 \\ & \text { B's remaining share } \quad=(80-25)\end{aligned}$

$$
\begin{aligned}
& =55 \\
& \begin{array}{lclcll} 
& \text { A } & : & \mathrm{B} & : & \mathrm{C} \\
\text { New Ratio } \rightarrow & 95 & : & 55 & : & 50 \\
& 19 & : & 11 & : & 10 \\
& \text { A } & : & \mathrm{B} & : & \text { C } \\
\text { Ratio of profit } & \text { 2 } & : & 3 & : & 7
\end{array} \\
& \text { Average gain }=\frac{2+3+7}{3}=4 \text { units } \\
& \text { Accoridng to the question, } \\
& 4 \text { units }=\text { रु } 8000 \\
& 1 \text { units }=\text { रु } 2000 \\
& 3 \text { units }=\text { रु } 3 \times 2000=\text { रु } 6000 \\
& \text { share of } B=\text { रु } 6000 \\
& \text { 51. (a) } \\
& \text { profit } \rightarrow \quad \frac{1}{4}: \quad \frac{1}{6}: \quad \frac{7}{12} \\
& \text { Note: } t \text { avoid fraction in calculation } \\
& \text { multiply all the ratios by } 9 \text { (भि } T \bar{\Gamma} \text { न का हट } T \text { ने } \\
& \text { के लिएस Iी अनु प तका } 9 \text { से गु प } T \text { कीसिसएके } \\
& \text { that new Ratio of profits. } \\
& \text { New profit of } \mathrm{A}=27+\frac{63}{5+4} \times 4=55 \\
& \text { New profit of } B=18+\frac{63}{4+4} \times 5=53 \\
& \therefore \text { New profit sharing ratio of } \mathrm{A} \text { and } \mathrm{B}(\mathrm{~A} \\
& \text { तथ } \mathrm{T} \text { TB के ला भ } \mathrm{T} \text { का नय अनु) प्र5:53 }
\end{aligned}
$$

52. (a)


According to the question,

$$
\begin{aligned}
(9+7+6) \text { units } & =\text { रु } 396 \\
22 \text { units } & =\text { रु } 396 \\
\text { l unit } & =\frac{396}{22}=\text { रु } 18
\end{aligned}
$$

$\therefore$ share of A $=18 \times 9=$ रु 162
53. (b) Total capital of A invested in 1 year ( A द्वा रा एस लमें निवे शि तकु लरा शि )
$=48,000 \times 3+40,000 \times 9$
$=1,44,000+3,60,000=$ रु $5,04,000$
Total capital of B invested in 1 year (B द्वा रा

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एकस लमे निवे शि तकु लरा) शि
$=60,000 \times 6+6,60,000 \times 6$
$=$ रु 756000

|  | A | $:$ | B |
| :---: | :---: | :---: | :---: |
| Capital $\rightarrow 504000$ | $:$ | 75600 |  |
| 2 | $:$ | 3 |  |
| $\downarrow \times 6000$ |  | $\downarrow \times 6000$ |  |
| 12,000 |  | 18,000 |  |
| Total profit $=(12+3)$ | $\times$ | 6000 |  |
| $=$ रु 30,000 |  |  |  |

54. (a)


M's extrea share on working partner
(का म
करने वा ले पट^ नापफक अरिरिक तहिस स)
$=7400 \times \frac{5}{100}=$ रु 370
Remaining profit (すे ठा ला भ्ज रु) 7400- रु
$370=$ रु 7030
According to the question,
$(13+14+10)$ units $=$ रु 7030
37 units = रु 7030
1 units $=$ रु $\frac{7030}{37}$
Profit of $Q=10$ units $=\quad$ रु $\frac{7030}{37} \times 10=$ रु 1900
55. (a)


According to the question

$$
\begin{aligned}
& (10+9+8) \quad \text { units }=\text { रु } 10,800 \\
& 27 \text { units }=\text { रु } 10,800 \\
& \\
& 1 \text { units }=\text { रु } 400
\end{aligned}
$$

Difference betweenA's share and C's(A तथ 1 C के हिस सो का अंतर
share $=(10-8) \quad \times 400=$ रु 800
56. (b)

$$
\mathrm{A} \quad: \quad \mathrm{B}
$$

| profit $\rightarrow$ | 50000 | $: 75000$ | $:$ | 125000 |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $($ year $) \rightarrow$ | 2 | $:$ | $\frac{3}{2}$ | $:$ | 1 |

Time
$\overline{\text { Profit } \rightarrow \quad 100: \frac{75 \times 3}{\frac{2}{9}}: 125}$ Required Ratio profit (अभा $\uparrow$ ठ ठ अनु प पष): 9: 10
57. (b)

58. (c)

A : B : C profit $\rightarrow 48000: 48000: 48000$ (year) $\rightarrow 6: 10: 12$
Time

$$
\begin{array}{llllll}
\hline \text { Profit } \rightarrow & 6 & : & 10 & : & 12 \\
& 3 & : & 5 & : & 6
\end{array}
$$

Note : The capital of all the partners are equal so the profit would be divided in the ratio of their time.
According to the time, (जा $\%$ Tी पं जो समा न हा` ती है ता ला $\frac{\mathrm{T}}{}$ समयके अनु प तमें बट T त
$(3+5+6)$ units $=$ रु 5250
14 units $=$ रु 5250
1 units = रु 375
$\therefore$ Share of $\mathrm{A}=375 \times 3=$ रु 1125
Share of $B=375 \times 5=$ रु d 1875
Share of $C=375 \times 6=$ रु 2250
59. (b)

|  | A |  | $:$ | B | $:$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| C |  |  |  |  |  |
| profit $\rightarrow$ | 60000 | $:$ | 80000 | $:$ | 120,000 |
| Time $\rightarrow$ | 4 | $:$ | 9 | $:$ | 12 |
| Profit $\rightarrow$ | 240,000 | $:$ | 720,000 | $:$ | 14000 |
|  | 1 | $:$ | 3 | $:$ | 6 |

According to the question,
$(1+3+6)$ units $=$ रु $1,60,480$
lounits $=$ रु $1,60,480$

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1 unit $=$ रु 16,048
Share of $A=16,048 \times 1=\quad$ रु 16,048
Share of $B=16,048 \times 3=$
रु 48,144
Share of $C=16,048 \times 6=$ रु 96,288
60. (a) Let the amount invested by A (मा ना A द्वा रा

निवे शि तरशि $\Rightarrow$ रु $x$
Now according to the question,
A :
B : C
Capital $\rightarrow \mathrm{x}: \quad(\mathrm{x}+15000):(\mathrm{x}+35000)$
$\therefore \mathrm{x}+\mathrm{x}+15000+\mathrm{x}+35000=$ रु 125000
$3 x=125000-50000$
$3 \mathrm{x}=75000$
$\mathrm{x}=$ रु 25000
$\therefore$ Amount invested by B
(B द्वा रा निवे शि तगार्कि 40,000
Amount invested by C
(C द्वा रा निवे शि ताग ¥्रिरु 60,000

$(5+8+12)$ units $=$ रु 37450
25 units $=$ रु 37450
1 units $=$ रु 1498
$\therefore$ Share of $A=1498 \times 5=$ रु 7490
Share of B $=1498 \times 8=$ रु 11984
Share of $\mathrm{C}=1498 \times 12=$ रु 17976
61. (b) Capital invested by A
(A द्वा रा निवे शि तग्रा ¥्रिु 42,000
Capital invested by $B$
(B द्वा रा निवे शि त्रा छ्रिरु 49,000
Ratio of profits of B and $\mathrm{A}=900: 700=$ 9: 7

We know,
$\frac{\mathrm{C}_{1} \times \mathrm{T}_{1}}{\mathrm{C}_{2} \times \mathrm{T}_{2}}=\frac{\mathrm{P}_{1}}{\mathrm{P}_{2}}$
$\frac{42,000 \times 12}{49,000 \times T_{2}}=\frac{9}{7}$
It means B invested his capital for 8 m months. It means he joined businese after ( 12 -
$8=4$ ) months. (अतः $B$ ने चा र मही ने बा द व यवसा यमे निवे श्र किय )
62. (d) Let amount invested by $A$ रु $x$

|  | A | B |
| :---: | :---: | :---: |
| Capital | x | ( $\mathrm{x}+5000$ ) |

According to the question, Share of $A$ in profit (A का हिस天T
$=\frac{(26000-6000)}{2}=$ रु 10,000
Share of B in profit (B का हिस्स स T
$=(26000-10000)$
$=$ रु 16,000

By using formulaes:

$$
\frac{\mathrm{C}_{1} \times \mathrm{T}_{1}}{\mathrm{C}_{2} \times \mathrm{T}_{2}}=\frac{\mathrm{P}_{1}}{\mathrm{P}_{2}}
$$

$\frac{x \times 5}{(x+5000) \times 6}=\frac{10,000}{16,000}$
$4 \mathrm{x}=3 \mathrm{x}+15000$
$\mathrm{x}=$ रु 15000
Required capital of A (A का निवे ल=रु 15000
Required capital of $B$ ( $B$ का fिवे $P$
$=(15,000+5000)$
$=$ रु 20,000
63. (c) Ratio of Capital invested by A , b and C ( A ,
$B$ तथ TIC के निवे प्र का अनु )प=त15: 10:6
Total Capital invested by A in 1 year ( ए सा ल में A का निवे $\mathbb{T}=15 \mathrm{x} \times 4+30 \mathrm{x} \times 8=$ 300x
total capital by B in l year ( एस ल मे ${ }^{\circ} \mathrm{B}$ का
निवे $\mathrm{H}=10 \mathrm{x} \times 6+5 \mathrm{x} \times 6=90 \mathrm{x}$
total capital invested by C in 1 year (ए
स ल मे ${ }^{\circ} \mathrm{C}$ का निवे प )
$=6 \mathrm{x} \times 12=72 \mathrm{x}$
Ratio of profits :

| A | $:$ | $B$ | $:$ | $C$ |
| :--- | :--- | :--- | :--- | :--- |
| 300 x | $:$ | 90 x | $:$ | 72 x |
| 50 x | $:$ | 15 x | $:$ | 12 x |

According to the question,
$(50 x+15 x+12 x)=$ रु 34650

$$
\begin{aligned}
& 77 x=\text { रु } 34650 \\
& x=\text { रु } \frac{34650}{77}=\text { रु } 450
\end{aligned}
$$

Profit of A (A का हिस्स $=$ रु $450 \times 50=$ रु 22500
Profit of $\mathrm{B}(\mathrm{B}$ का हिस्स $=$ रु $450 \times 15=$ रु 6750
Profit of $\mathrm{C}(\mathrm{C}$ का हिस्स $=$ रु $450 \times 12=$ रु 5400
64. (d) Total capital invested by A in year
(ए
सा लमे B का निवे प)
$=36000 \times 12=$ रु 432000

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Total capital invested by B in 1 year $=$
$45000 \times 4+(45000-20000) \times 5+(55000$
$+25000) \times 3$
$=180000+125000+240000$
$=545000$

|  | A | $:$ | B |
| :--- | :--- | :--- | :--- |
| Ratio of capital | 432000 | $:$ | 545000 |
| Ratio of profit | 432 | $:$ | 545 |

Accrording to the question,
$(432+545)$ units $=$ Rs. 117240
977 units $=$ Rs. Rs. 117240
1 units $=\frac{117240}{977}=$ Rs. 120
Difference in profit $=(545-432) \times 120=$ 13560
It means B will get Rs. 13560 more than
65. (b)
A. (अत: B का A से 13560 Rs. अध्कमिलते है)

Capital 24000 : 32000 : 18000

Let the total profit (A का अरिरिक त हिस्म
$=100 \mathrm{x} \times \frac{15}{100}=15 \mathrm{x}$
Extra share of $\mathrm{B}(\mathrm{B}$ का अतिरिक तहिस स $=100$
$\times \frac{12}{100}=12 \mathrm{x}$
Remaining profit $=[100 x-(15 x+12 x]=73 x$
Note : Remaining profit is distributed in
the ratio of their capitals ( प' षा ला $\mathcal{T} \Gamma \dot{प}_{\Omega}$ जी के अनु प तमें बाँ गा
$\therefore$ Share of C
$=\frac{73 \mathrm{x}}{(12+16+9)} \times 9=\frac{657 \mathrm{x}}{37}$
$\frac{657 \mathrm{x}}{37}=$ Rs. 65700
$\mathrm{x}=$ Rs. $\quad \frac{65700 \times 37}{37}=$ Rs. 3700
$\therefore$ Hence required profit (अभ T १ ष्ट ला $\xlongequal{\text { ® }} 100 \mathrm{x}$
$=100 \times 3700=$ Rs. $3,70,000$

66 (c)

= Rs. 1764
67. (a)


According to the question,
$(15+10+12)$ units $=$ Rs. 444
37 units $=$ Rs. 444
1 units $=\frac{444}{37}=$ Rs. 12
Profit of $\mathrm{A}=12 \times 15=$ Rs. 180
Profit of $B=10 \times 12=$ Rs. 120
Profit of $\mathrm{C}=12 \times 12=$ Rs. 144
68. (d) B's profit share in 1 year (एस ल मे B का

ला $\% \mathrm{~T} \neq 12 \times 100=$ Rs. 1200
Interest of $A=\frac{10,000 \times 5 \times 1}{100}$
= Rs. 500
Interest of $B=\frac{4000 \times 5 \times 1}{100}=$ Rs. 200
Total profit of $A$ andb $(A \quad$ तथ $T B$ का कु लला $\mathcal{T} T$
$=(1200+500+200)=$ Rs. 1900
remaining profit (प` षा ला $\% ~ T$ )
= Rs. 2100
Note: Remaining profit will be divide in
the ratio of their profit,

|  | A | $:$ | B |
| :---: | :---: | :---: | :---: |
| Capital | 10,000 | $:$ | 4000 |
|  | 5 | $:$ | 2 |

Share of A in remaining profit ( ${ }^{\prime}$ 히 ला $\% ~ T$
A का हिस्स $)=\frac{2100}{(5+2)} \times 5$
= Rs. 1500
Share of B in Remaining profit ( $\mathrm{g}^{\prime}$ ठा ला $\% \mathrm{~T}$
$B$ का हिस सा $)=m \frac{2100}{(5+2)} \times 2$
= Rs. 600
Total profit of $\mathrm{A}\left(\mathrm{A}\right.$ क कु ल ला ${ }^{\text { }}$ ) $\mathrm{T}=500+$ $1500=$ Rs. 2000
Total profit of B (B क कु ल ला ${ }^{\text {q }}$ ) $\mathrm{T}=1200+$ $600+200=$ Rs. 2000

Total rent $(288+1152+324)$
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69. (a) total capital invested by A in 1 year स लमें AT कनिवे च )
$=12 \times 4000=$ Rs. 48000
Total capital invested by B in 1 year
स ल मे $B$ का निवे प )
$=6000 \times 4+8000 \times 8$
$=24000+64000=$ Rs. 88000
Total capital invested by C in 1 year
स ल मे C का निवे श )
$=8000 \times 9+3 \times 6000$
$=72000+18000=90,000$
A : B : C
Capital $48000: 88000: 90,000$ 24 : 44 : 45
According to the question,
$(24+44+45)$ units $=$ Rs. 16950
113 units $=16950$
1 units $=$ Rs. $\quad \frac{16950}{113}=$ Rs. 150
Hence,
Profit of A (A का हिस स $=150 \times 24$

$$
=3600
$$

Profit of B (B का हिस स $=150 \times 44$

$$
=6600
$$

Profit of C (C का हिस्स $=150 \times 45$

$$
=\text { Rs. } 6750
$$

70. (d) $\mathrm{A}: \mathrm{B}: \mathrm{C}=\frac{1}{4}: \frac{1}{3}: \frac{1}{6}$

Ratio of shares of $\mathrm{A}, \mathrm{b}$ and C

|  | A | $:$ | $B$ | $:$ | $C$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Capital | 3 x | $:$ | 4 x | $:$ | 2 x |

total capital invested by A in 1 year (ए
सा ल मे $a$ का निवे च )
$=3 \mathrm{x} \times 4+1.5 \mathrm{x} \times 8=24 \mathrm{x}$
Total capital invested by $b$ in 1 year
सा लमे $B$ का निवे च )
$=4 \mathrm{x} \times 6+\frac{4 \mathrm{x}}{3} \times 6=32 \mathrm{x}$
Total capital invested by C inyear (एसा ल
में c का निवे च)
$=2 \mathrm{x} \times 12=24 \mathrm{x}$

|  | A | $:$ | $B$ | $:$ | $C$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Capital | $24 x$ | $:$ | $32 x$ | $:$ | $24 x$ |
|  | $3 x$ | $:$ | $4 x$ | $:$ | $3 x$ |

According to the question,
$(3 \mathrm{x}+4 \mathrm{x}+3 \mathrm{x})=14000$
$10 \mathrm{x}=14000$
$x=1400$
Hence, Profit of A (A का हिस्सा $=1400 \times 3=$ Rs. 4200
Profit of B (B का हिस पु $\ddagger 1400 \times 4=$ Rs. 5600
Profit of C $(\mathrm{C}$ का हिस्स $=1400 \times 3=$ Rs. 4200

