

11 Old Profit Sharing Ratio

Mahi	Rajat	Total
4	3	7

In Goodwill adjustment the gaining partner pays his share of goodwill premium to sacrificing partner

Here, New partner Kripa pays whole share of premium to Mahi

This means that whole sacrifice is made by Mahi and Rajat has not sacrificed anything

The old profit sharing ratio of Rajat of $\frac{3}{7}$ will remain his new profit sharing ratio

Now, How much does Kripa gain

Kripa share of goodwill	60000	
Total Goodwill of the firm	420000	
Ratio of Kripa share of Goodwill	$\frac{60000}{420000}$	$\frac{1}{7}$
So sacrifice made by Mahi		$\frac{1}{7}$
Mahi new share	$\frac{4}{7} - \frac{1}{7}$	$\frac{3}{7}$

New Profit Sharing ratio

Mahi	Rajat	Kripa
$\frac{3}{7}$	$\frac{3}{7}$	$\frac{1}{7}$
3	3	1

or

12 Old Profit Sharing Ratio

Rakesh	Suresh	Total
4	3	7

New Profit Sharing Ratio

Rakesh	Suresh	Zaheer	Total
7	4	3	14

Sacrificing Ratio

Rakesh	Suresh
$\frac{1}{14}$	$\frac{1}{7}$
1	2

or

13 Old Profit Sharing Ratio

Karim	Rehman	Total
3	2	5

New Profit Sharing Ratio

Karim	Rehman	Naval	Total
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4	3	2	9
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Sacrificing Ratio

Karim	Rehman	or
7/45	1/15	
7	3	

14 Old Profit Sharing Ratio

A	B	C
4	3	2

D is admitted for 1/3 share

Since neither the sacrificing ratio nor the new ratio is given so the old partners will sacrifice in the old ratio

Sacrificing Ratio

A	B	C
4	3	2

15 Old profit sharing ratio

A	B	C	D	or
36	24	20	20	

Let the total profits be Rs 1 1

New Partner E
New Partner Share 20% or 1/5

Remaining share **4/5** This is for the old partners

A's new share $4/5 \times 3/10$ 6/25 3:4:2:1
B's new share $4/5 \times 4/10$ 8/25
C's new share $4/5 \times 2/10$ 4/25
D's new share $4/5 \times 1/10$ 2/25

New profit sharing ratio

A	B	C	D	E
6/25	8/25	4/25	2/25	1/5
6	8	4	2	5

or

16 Old Profit Sharing Ratio

Gautam	Yashica	Total
3	2	5

New partner admitted Asma

Gautam gives	<table border="1"><tr><td>1/5</td></tr></table>	1/5	$1/3 \times 3/5$	3/25
1/5				
Yashica gives	<table border="1"><tr><td></td></tr></table>			1/10

Gautam new share	12/25	$3/5 - 3/25$
Yashica new share	3/10	$2/5 - 1/10$

Asma share	11/50	$1/5 + 1/10$
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New Profit Sharing	Gautam	Yashica	Asma	or or
	12/25	3/10	11/50	
	4	3	3	

Sacrificing ratio	Gautam	Yashica
	3/25	1/10
	2	1

17 Old Profit Sharing Ratio

A	B	C
2	2	1

New Partner admitted	D	
New partner share	<table border="1"><tr><td>1/6</td></tr></table>	1/6
1/6		

C retains his original share

Let the total profits be Rs 1 1
 D's share 1/6
 C's share 1/5
 Remaining share 19/30 1-1/6-1/5

Now remaining share will be shared by remaining partners in their mutual ratio

A's new share 19/60 (19/30 X 1/2)
 B's new share 19/60 (19/30 X 1/2)

New profit sharing

A	B	C	D
19/60	19/60	1/5	1/6
19	19	12	10

or

Sacrificing ratio

A	B
1	1

or

18 Old Profit Sharing Ratio

Amit	Vidya
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3	2

New partner admitted Chintan
New partner share Not given in the question
Assume that the total share of new partner be x

Now new partner acquires 1/5 of his share from Amit
It means that new partner acquires 4/5 of his share from Vidya which is equal to 4/25

So, 4/5 of x is equal to 4/25

$$4/5x = 4/25 \quad x = 4/25 \times 5/4$$

Solving this equation x = 1/5 1/5
It means that the new partner share is 1/5

New partner acquires from Amit 1/5 of his (new partner) share

$$1/5 \times 1/5 = 1/25$$

New partner acquires from ' 4/25

Amit new share	$3/5 - 1/25$	$14/25$
Vidya new share	$2/5 - 4/25$	$6/25$

New Profit Sharing ratio

Amit	Vidya	Chintan
$14/25$	$6/25$	$1/5$
14	6	5

Sacrificing ratio

Amit	Chintan
$1/25$	$4/25$
1	4

19 Old Profit Sharing Ratio

Gold	Silver
2	5

Copper Admitted for $1/4$ sh: $1/4$

Remaining Share $1 - 1/4$ $3/4$

Gold's new share $3/4 \times 2/7$

$3/14$
$15/28$

Silver's new share $3/4 \times 5/7$

New Profit Sharing ratio

Gold	Silver	Copper
$3/14$	$15/28$	$1/4$
6	15	7

Sacrificing ratio will be same as old profit sharing ratio

Gold	Silver	Total
2	5	7

Total goodwill brought by Copper 14000

Gold will get 4000 (14000 X 2/7)

Silver will get 10000 (14000 X 5/7)

20 Old Profit Sharing Ratio

Vimal	Nirmal	Total
3	2	5

Kailash is admitted as a new partner

Vimal Gives $\frac{1}{5}$ of his share $\frac{3}{5} \times \frac{1}{5}$ $\frac{3}{25}$

Nirmal Gives $\frac{2}{5}$ of his share $\frac{2}{5} \times \frac{2}{5}$ $\frac{4}{25}$

Vimal's new Share $\frac{3}{5} - \frac{3}{25}$ $\frac{12}{25}$

Nirmal's new Share $\frac{2}{5} - \frac{4}{25}$ $\frac{6}{25}$

