

41	A's drawings every month	4000
	No of months	6
	Total Drawings	24000
	Rate of Interest	5%
	Period of Interest (Months)	3.5
	(6 months + 1 month) / 2	
	Interest Amount	350
	Note : Interest to be calculated only for 6 months	

42	A's drawings every month	4000
	No of months	6
	Total Drawings	24000
	Rate of Interest	5%
	Period of Interest (Months)	2.5
	(5 months + 0 month) / 2	
	Interest Amount	250
	Note : Interest to be calculated only for 6 months	

43	C's drawings every month	5000
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No of months	6
Total Drawings	30000
Rate of Interest	12%
Period of Interest (Months)	9.5
(12 months + 7 month) / 2	
Interest Amount	2850
Note : Interest to be calculated only for 12 months	

44	Description	Beginning	End	Middle
	Partner drawings every quarter	7500	7500	7500
	No of quarters	4	4	4
	Total Drawings	30000	30000	30000
	Rate of Interest	10%	10%	10%
	Period of Interest (Months)	7.5	4.5	6
		(12+3)/2	(9+0)/2	(10.5+1.5)/2
	Interest Amount	1875	1125	1500

45 **Calculation of Interest on Capital**

Description	Tisha	Divya
Closing Balance	1000000	750000
Add - Drawings	100000	50000
Less - Share of Profit	250000	250000 (Assumed to be equal)
Opening Balance	850000	550000

Interest on Capital @ 10%

85000 55000

Calculation of Interest on Drawings

Tisha

Description	Tisha
Partner drawings every quarter	25000
No of quarters	4
Total Drawings	100000
Rate of Interest	6%
Period of Interest (Months)	4.5 (9+0)/2

Interest Amount

2250

Divya

Date of Drawings	Amount	Period of Interest (Mths)	Interest
31-May-23	20000	10	1000
1-Nov-23	17500	5	437.5
1-Feb-24	12500	2	125
	50000		
		Total	1562.5

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	A	B	C
Drawings every month	10000	10000	10000
No of months	6	6	6
Total Drawings	60000	60000	60000
Rate of Interest	6%	6%	6%

Period of Interest (Months) (12 months + 7 month) / 2	9.5 (12+7)/2	9 (11.5+6.5)/2	8.5 (11+6)/2
Interest Amount Note : Interest to be calculated only for 12 months	2850	2700	2550

47 (i) Let the total drawings during rhe year be x
Rate of Interest 10% pa
No of months for interest 6.5 months
(12 + 1)/2

Amount of Interest (Given) 1950

Calculation :

$$x * 10/100 * 6.5/12 = 1950$$

Now solve for x

$$x = 1950 * 12 * 100 / (6.5 * 10) \quad 36000$$

So, total drawings during the year 36000

So, Monthly drawings will be 3000

47 (ii) Let the total drawings during rhe year be x
Rate of Interest 10% pa
No of months for interest 6 months
(11.5 + 0.5)/2

Amount of Interest (Given) 2400

Calculation :

$$x * 10/100 * 6/12 = 2400$$

Now solve for x

$$x = 2400 * 12 * 100 / (6 * 10) \quad 48000$$

So, total drawings during the year 48000

So, Monthly drawings will be 4000

47 (iii) Let the total drawings during the year be x
Rate of Interest 10% pa
No of months for interest 5.5 months
(11 + 0)/2

Amount of Interest (Given) 2750

Calculation :

$$x * 10/100 * 5.5/12 = 2750$$

Now solve for x

$$x = 2750 * 12 * 100 / (5.5 * 10) \quad 60000$$

So, total drawings during the year 60000

So, Monthly drawings will be 5000

48(i) Let the total drawings during the year be x
 Rate of Interest 12% pa
 No of months for interest 7.5 months
 $(12 + 3)/2$

Amount of Interest (Given) 1500

Calculation :

$$x * 12/100 * 7.5/12 = 1500$$

Now solve for x

$$x = 1500 * 12 * 100 / (7.5 * 12) \quad 20000$$

So, total drawings during the year 20000

So, Quarterly drawings will be 5000

48 (ii) Let the total drawings during the year be x
 Rate of Interest 12% pa
 No of months for interest 6 months
 $(10.5 + 1.5)/2$

Amount of Interest (Given) 1200

Calculation :

$$x * 12/100 * 6/12 = 1200$$

Now solve for x

$$x = 1200 * 12 * 100 / (6 * 12) \quad 20000$$

So, total drawings during the year 20000

So, Quarterly drawings will be 5000

48 (iii) Let the total drawings during the year be x
 Rate of Interest 12% pa
 No of months for interest 4.5 months
 (9 + 0)/2

Amount of Interest (Given) 900

Calculation :

$$x * 12/100 * 4.5/12 = 900$$

Now solve for x

$$x = 900 * 12 * 100 / (4.5 * 12) \quad 20000$$

So, total drawings during the year 20000

So, Quarterly drawings will be 5000

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	Piyush	Harmesh	Atul
Drawings every month	20000	20000	20000
No of months	12	12	12
Total Drawings	240000	240000	240000
Rate of Interest	x	x	x
Period of Interest (Months)	6.5	6	5.5

	$(12+1)/2$	$(11.5+0.5)/2$	$(11+0)/2$
Interest Amount	15600	14400	13200
Note : Interest to be calculated only for 12 months			
Find the value of x in each case	12	12	12

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	Case 1	Case 2	Case 3
Drawings every month	6000	6000	6000
No of quarters	4	4	4
Total Drawings	24000	24000	24000
Rate of Interest	x	x	x
Period of Interest (Months)	7.5	4.5	6
	$(12+3)/2$	$(9+0)/2$	$(10.5+1.5)/2$
		(Assume at mid of quarter)	
Interest Amount	1500	900	1200
Note : Interest to be calculated only for 12 months			
Find the value of x in each case	10	10	10