Date Interpretation Table Chart Questions for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains and IBPS Clerk Mains Exams.

DI Table Chart Quiz 80

Directions: Study the following table chart carefully and answer the questions given below:

The table below shows details about invested by different persons:

Person	Rate of interest	Time (Years)	Principal (Rs.)	Amount (Rs.)
Arun	6%		18000	
Sourav	6%		30000	
Amit		5		29000
Piku		3	45000	
Ankit	8%		20000	
Anita		2	60000	

Note: Calculate simple interest unless specified
All questions are independent from others.

1. If the rate of interest received by Arun and Amit is in the ratio of 2 : 3 then find in how many years the money invested by Amit will be doubled with same rate of interest?

A. 14.80 B. 13.45 C. 11.11 D. 15.50 E. 12.54

2. If the difference between the interest received by Ankit and Sourav is Rs 4200 and Ankit invested his money for double the time period for which Sourav invested his money then find the amount received by Ankit ?

A. Rs. 30000 B. Rs. 28600 C. Rs. 29600 D. Rs. 35400 E. Rs. 35540

3. If the amount received by Amit is twice the money invested by him then find amount he will receive after 2 years if he invests the same amount of money in compound interest for 2 years compounded half yearly?

A. Rs. 22199.45 B. Rs. 21992.45 C. Rs. 21292.45 D. Rs. 21929.45 E. Rs. 21229.45

4. If the interest received by Anita is 20% of the sum invested by her then find how much more money as interest she would have earned if she had invested the money in compound interest?

A. Rs. 600 B. Rs. 130 C. Rs. 200 D. Rs. 1500 E. Rs. 700

5. If the interest received by Anita is Rs 7575 more than interest received by Piku and the rate of interest received by Anita 2% more than the rate of interest received by Arun then find the interest rate received by Piku ?

A. 8% B. 1.3% C. 2.5% D. 1.5% E. 1.4%

Correct Answers:

1	2	3	4	5
C	C	E	A	D

Explanations:

1.

Rate of interest for Amit = $\frac{6 \times 3}{2} = 9\%$

Let the principal invested by Amit be Rs. x

So,

$= x + x \times 9 \times \frac{5}{100} = 29000$

$= 100x + \frac{45x}{100} = 29000$

$= 145x = 29000 \times \frac{100}{145}$

$= x = 20000$

Amount invested by Amit = Rs 20000

To double the invested the time required

Let the time be x

$= 20000 \times \frac{100}{9 \times 20000}$

= 11.11 years.

Hence, option C is correct.

2. Let the time for which Sourav invested be x years

So the time for which Ankit invested = 2x years

So,

Interest received by Ankit= $8 \times 2x \times \frac{20000}{100}$ = Rs. 3200x

Interest received by Sourav = $6 \times x \times \frac{30000}{100}$ = Rs. 1800x

So,
3200x – 1800x = 4200
1400x = 4200
x = 3 years
So,

Interest received by Ankit= $8 \times 6 \times \frac{20000}{100}$ = Rs. 9600

Total amount received by Ankit = Rs. (20000 + 9600) = Rs 29600
Hence, option C is correct.

3.

Amount invested by Amit = $\frac{29000}{2}$ = Rs. 14500

Interest received by Amit = 29000 – 14500 = Rs 14500
Let the rate of interest for Amit be x
According to question,

$= x = \frac{14500 \times 100}{14500 \times 5}$

= x = 20%

Amount he will if compounded half yearly for 2 years = $14500 \left(1 + \frac{10}{100}\right)^4$

$= 14500 \times \frac{11}{10} \times \frac{11}{10} \times \frac{11}{10} \times \frac{11}{10}$ - = Rs. 21229.45

Hence, option E is correct.

4.

Interest received by Anita = $\frac{20 \times 60000}{100}$ = Rs. 12000

Rate = $12000 \times \frac{100}{2} \times 60000$

Rate = 10%

Interest for 1^{st} year = $60000 \times 10 \times \frac{1}{100}$ = Rs. 6000

Principal for 2^{nd} year= 60000 + 6000 = Rs 66000

Interest for second year = $66000 \times 10 \times \frac{1}{100}$ = Rs. 6600

Total interest received by Anita = 6600 + 6000 = Rs 12600

So,
Anita will receive (12600 – 12000) = Rs 600 more interest.
Hence, option A is correct.

5. Let the rate of interest received by Piku be x

According to question,

$60000 \times 8 \times \frac{2}{100} - x \times 3 \times \frac{45000}{100} = 7575$

= 9600 – 1350x = 7575

= 9600 – 7575 = 1350x

= x = $\frac{2025}{1350}$

= x = 1.5%

Hence, option D is correct.