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Date Interpretation Info Chart Questions Quiz for LIC AAO, SBI PO Pre, IBPS PO Pre, SBI Clerk Mains and IBPS Clerk Mains Exams.

DI Info Chart Quiz 15

Directions: Study the given information carefully to answer the questions.

At a place there are 1200 followers of three BABAs – Baba1, Baba2 and Baba3, the number of male followers and the number of female followers are in the ratio of 7 : 5. Each follower follows at least one of these Babas. 10% of male followers follow Baba1 only, 20% follow Baba2 only and 12% follow Baba3 only. 10% follow only Baba1 and Baba3. 18% follow only Baba3 and Baba2 and 20% follow only Baba1 and Baba2. The remaining male followers follow all the Babas. 18% of female followers follow Baba1 only. 10% follow only Baba2 only and 12% follow Baba3 only. 20% follow only Baba1 and Baba3, 12% follow only Baba3 and Baba2 and 8% follow only Baba1 and Baba2. The remaining female followers follow all three Babas.

1. What is the ratio of the number of male followers who follow Baba2 to the number of female followers who follow Baba1?

- A. 238 : 165 B. 231 : 161 C. 170 : 61 D. 7 : 5 E. None of these

2. The total number of male followers following less than two Babas is what percent of the total number of female followers following more than one Baba?

- A. 50 B. 79 C. 98 D. $66\frac{2}{3}$ E. Other than the given options

3. What is the ratio of the total number of female followers who follow all the Babas to the total number of male followers who follow all three Babas?

- A. 10 : 7 B. 25 : 9 C. 29 : 14 D. 14 : 5 E. 14 : 9

4. The number of female followers following Baba3 only is approximately what per cent less than the number of male followers following Baba1 only?

- A. 68 B. 14 C. 80 D. 42 E. None of these

5. The number of male followers following only Baba2 is what per cent of the number of female followers who follow only Baba3 and only Baba1?

- A. $98\frac{2}{3}\%$ B. $93\frac{1}{3}\%$ C. $66\frac{1}{3}\%$ D. $97\frac{1}{3}\%$ E. $83\frac{1}{3}\%$

Correct Answers:

1	2	3	4	5
A	C	A	B	B

Common Explanation :

Total number of followers = 1200

And the given ratio of Male to Female = 7 : 5, Therefore, man will be 700 and female will be 500.

Baba	Male Followers (700)	Female Followers (500)
Only Baba1	10% of 700 = 70	18% of 500 = 90
Only Baba 2	20% of 700 = 140	10% of 500 = 50
Only Baba 3	12% of 700 = 84	12% of 500 = 60
Only Baba1 and Baba3	10% of 700 = 70	20% of 500 = 100
Only Baba3 and Baba2	18% of 700 = 126	12% of 500 = 60
Only Baba1 and Baba2	20% of 700 = 140	8% of 500 = 40
All the Babas	$700 - (70+140+84+126+70+140) = 70$	$500 - (90+50+60+100+60+40) = 100$

Answers :-

1. Following the common explanation, we get

The number of male followers who follow Baba2 = $140 + 126 + 140 + 70 = 476$

The number of female followers who follow Baba1 = $90 + 100 + 40 + 100 = 330$

$$\therefore \text{Reqd. ratio} = \frac{476}{330} = \frac{238}{165} = 238 : 165$$

Hence, option A is correct.

2. Following the common explanation, we get

The number of male followers who follow less than two Babas = $70 + 140 + 84 = 294$

Total number female followers who follow more than one Baba = $60 + 100 + 40 + 100 = 300$

$$\therefore \text{Reqd. \%} = \frac{294}{300} \times 100 = 98\%$$

Hence, option C is correct.

3. Following the common explanation, we get

Total number of female followers who follow all the Babas = 100

And the number of male followers who follow all the Babas = 70

Reqd. ratio = $100 : 70 = 10 : 7$

Hence, option A is correct.

4. Following the common explanation, we get

The total number of female followers following only Baba3 = 60

And the total number of male followers following Baba1 only = 70

$$\text{Reqd. \%} = \frac{70 - 60}{70} \times 100 = \frac{1000}{70} \approx 14\%$$

Hence, option B is correct.

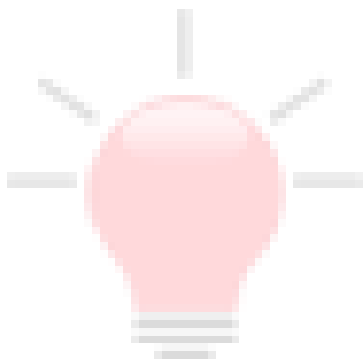
5. Following the common explanation, we get

Total number of male followers following only Baba2 = 140

And, the total number female followers who follow only Baba3 and only Baba1 = 60 and 90

$$\text{Reqd. \%} = \frac{140}{60 + 90} \times 100 = \frac{14000}{150} \approx 93\frac{1}{3}\%$$

Hence, option B is correct.



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