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DI Pie Chart Questions for IBPS RRB Office Asst. Mains Exams.

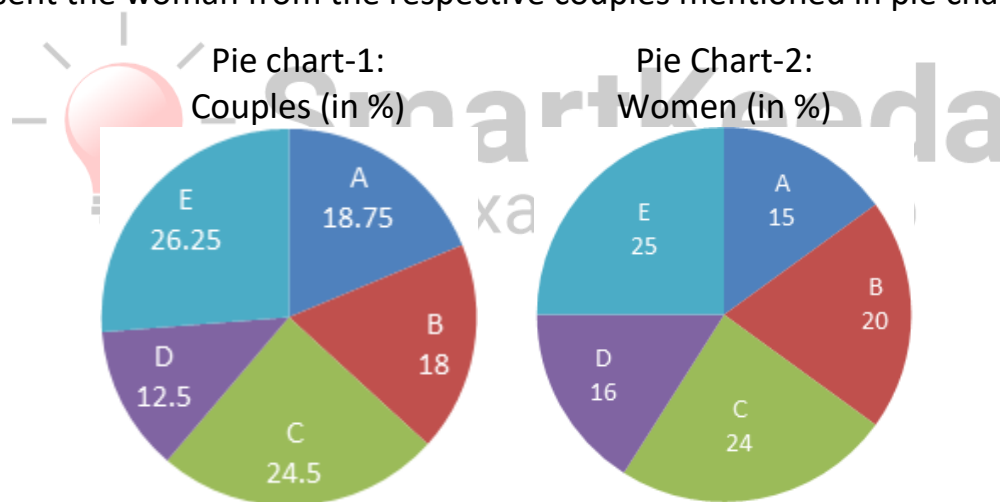
DI Pie Chart No 76

Directions : Study the following pie charts carefully and answer the questions given beside.

Five married couples go to a picnic. None of them have kids. Each of them has some money with them. The pie chart-1 shows total money each couple has and the pie chart-2 shows the money that each woman has.

All the men together have Rs. 2000 and all the women together also have Rs. 2000.

Letters A, B, C, D and E in pie chart-1 represent individual couples and the same letters in pie chart-2 represent the woman from the respective couples mentioned in pie chart-1.



1. Which man among all five couples has the most amount of money?

- A. Of Couple A B. Of Couple B C. Of Couple C D. Of Couple D E. Of Couple E

2. Which couple has the least amount of money?

- A. Couple A B. Couple B C. Couple C D. Couple D E. Couple E



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3. Find the ratio of amount of money that men from couple A and C have to the women from couple B and E have.
- A. 17 : 18 B. 19 : 18 C. 18 : 19 D. 18 : 17 E. None of these
4. Couple C spent 25% of amount they had in total. If 20% was spent by the man from the amount he had, what amount the woman was left with after spending?
- A. Rs. 145 B. Rs. 255 C. Rs. 335 D. Rs. 355 E. Rs. 380
5. Couple B spent some money in ratio (man : woman) 2 : 3 and they are left with amount in ratio (man : woman) 6 : 7. What total amount they have after the spending?
- A. Rs. 200 B. Rs. 255 C. Rs. 465 D. Rs. 500 E. Rs. 520



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Correct Answers:

1	2	3	4	5
E	D	B	C	E

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Common Explanation:

The chart-1 shows data about men + women. So total amount = $2000 + 2000 = 4000$

Amount with couple A = 18.75% of $4000 = 750$

From chart-2, amount with women of couple A = 15% of $2000 = 300$

So, amount with men of couple A = $750 - 300 = 450$

Similarly, we evaluate for each couple, men and women.

Couple	Men	Women	Couples (Men + Women)
A	450	300	750
B	320	400	720
C	500	480	980
D	180	320	500
E	550	500	1050
Total	2000	2000	4000

1. From common explanation, we see that man from couple E has most amount of money.
Hence, option E is correct.

2. From common explanation, we see that couple D has least money.
Hence, option D is correct.

3. From common explanation, we have

The amount of money that men from couple A and C have = $450 + 500 = 950$

The amount of money that women from couple B and E have = $400 + 500 = 900$

Ratio = $950 : 900 = 19 : 18$

Hence, option B is correct.

4. From common explanation, we have

$$\text{Total amount spent} = 25\% \text{ of } 980 = 245$$

$$\text{Amount spent by the man} = 20\% \text{ of } 500 = 100$$

$$\text{Amount spent by the woman} = 245 - 100 = 145$$

$$\text{Amount left with the woman} = 480 - 145 = 335$$

Hence, option C is correct.

5. From the common explanation, we have

Let the man spent $2n$ and the woman spent $3n$. Also, let the man has $6m$ and the woman has $7m$ after the spending.

Then, we have

$$320 - 2n = 6m \text{ ----(i)}$$

$$400 - 3n = 7m \text{ ----(ii)}$$

From (i) and (ii), we have $n = 40$ and $m = 40$

$$\text{Amount after spending} = 720 - 5 \times 40 = 520$$

Hence, option E is correct.



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