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DI table Chart Questions for IBPS Clerk Pre, SBI Clerk Pre, LIC Assistant Pre and IBPS RRB Assistant Pre Exams.

DI Table Chart No. 119

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

The table given below shows the number of registered voters and the percentage of the people who voted among them in 5 different voting centres.

Centres	Total number of Registered Voters	Percentage of people who voted
A	1600	70%
B	1800	60%
C	3000	80%
D	2400	76%
E	2000	85%

- 1. What is the average number of people who voted at centres B, C and D?**
A. 1864 B. 1648 C. 1934 D. 1580 E. 1768
- 2. What percentage of the total number of registered voters cast invalid votes at centre A, if the number of invalid votes cast at centre A was 20% of the number of votes cast?**
A. 12% B. 10% C. 21% D. 14% E. 7%
- 3. The number of people who did not vote at centre C was what percentage more than that who did not vote at centre A?**
A. 20% B. 15% C. 25% D. 30% E. 10%
- 4. What is the difference between total number of people who did not vote at centres A and B together and who did not vote at centres D and E together?**
A. 645 B. 324 C. 234 D. 456 E. 513
- 5. At centre F, total number of registered voters was 25% less than that at centre C. At centre F, the number of people who voted was 450 less than that at centre C and 150 votes cast were declared invalid. What was the ratio of the number of valid votes cast to the total number of registered voters at centre F?**
A. 4 : 5 B. 3 : 4 C. 1 : 4 D. 2 : 5 E. 1 : 5

Correct Answers:

1	2	3	4	5
E	D	C	B	A



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Explanations :

1. People who voted at centre B = $60 \times 18 = 1080$

People who voted at centre C = $80 \times 30 = 2400$

People who voted at centre D = $76 \times 24 = 1824$

$$\text{Reqd. average} = \frac{1080 + 2400 + 1824}{3} = 1768$$

Hence, Option E is correct.

2. Required percentage = 20% of $70\% = 14\%$

Hence, Option D is correct.

3. Number of people who did not vote at centre C = $20 \times 30 = 600$

Number of people who did not vote at centre A = $30 \times 16 = 480$

$$\text{Reqd. \%} = \frac{(600 - 480) \times 100}{480} = 25\%$$

Hence, Option C is correct.

4. Number of people who did not vote at centres A and B together = $30 \times 16 + 40 \times 18 = 480 + 720 = 1200$

Number of people who did not vote at centres D and E together = $24 \times 24 + 15 \times 20 = 576 + 300 = 876$

$$\text{Required difference} = 1200 - 876 = 324$$

Hence, Option B is correct.

5. Total number of registered voters at centre C = 3000

$$\text{Total number of registered voters at centre F} = 3000 \times \frac{3}{4} = 2250$$

People who voted in centre C = $80 \times 30 = 2400$

Valid cast votes at centre F = $2400 - 450 - 150 = 1800$

$$\text{Reqd. ratio} = \frac{1800}{2250} = 4 : 5$$

Hence, Option A is correct.



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