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The Question Bank

# DI Info Chart Questions for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains and IBPS Clerk Mains Exams.

## DI Info Chart No 49

**Directions: Study the following information carefully and answer the questions given beside.**

A company has planned a trip. The company has 4200 employees. 72% of the employees registered for the trip. The ratio of male and female employees registered for the trip is 7: 5. Out of them, 75% of the employees have chosen the company transport services for the trip and rest decided to use their own vehicle. On the trip day, 25% of those who have chosen for company transport, went on the trip by their own vehicles for some reasons. The ratio of male and female employees who came by their own transport is 5: 4. Initially, the company had booked 57 buses with 40 seat capacity in each.

**1. What is the number of female employees who registered for the trip?**

- A. 1080      B. 1260      C. 1320      D. 1180      E. None of these

**2. Find the difference between the total number of male and female employees who came to the trip by their own transport?**

- A. 155      B. 135      C. 147      D. 138      E. None of these

**3. How many buses are actually used for the trip?**

- A. 43      B. 40      C. 45      D. 38      E. 36

**4. The number of employees who went to the trip by their own transport in spite of registering for the company transport is what percent of the number of employees who did not register for the trip?**

- A. 35.23%      B. 50.67%      C. 56.43%      D. 48.21%      E. None of these

**5. Find the ratio of the number of female employees who registered for the trip and number of female employees who came to the trip by their own transport?**

- A. 9 : 5      B. 11 : 6      C. 15 : 7      D. 13 : 9      E. None of these

**Correct Answers:**

1	2	3	4	5
B	C	A	D	C

## Explanations :

1. Total number of employees in the company = 4200

72% of the employees registered for the trip.

So, the number of employees registered for the trip =  $4200 \times \frac{72}{100} = 3024$

The ratio of male and female employees registered for the trip is 7 : 5.

∴ The number of female employees registered for the trip =  $3024 \times \frac{5}{12} = 1260$

Hence, option B is correct.

2. Total number of employees in the company = 4200

72% of the employees registered for the trip.

So, the number of employees registered for the trip =  $4200 \times \frac{72}{100} = 3024$

Out of them, 75% of the employees have chosen the company transport services for the trip.

Then, the number of employees registered for the company transport =  $3024 \times \frac{75}{100} = 2268$

So, the number of employees did not registered for the company transport =  $3024 \times \frac{25}{100} = 756$

25% of them went to the trip by their own transport for some reasons.

Then, the number of employees went to the trip by their own in spite of registering for the company transport

$$= 2268 \times \frac{25}{100} = 567$$

So, the total number of employees went to trip by their own transport =  $756 + 567 = 1323$

The ratio of male and female employees who came by their own transport is 5 : 4.

So, the reqd. difference =  $\frac{1323 \times (5 - 4)}{9} = 147$

Hence, option C is correct.

3. Total number of employees in the company = 4200

72% of the employees registered for the trip.

$$\text{So, the number of employees registered for the trip} = 4200 \times \frac{72}{100} = 3024$$

Out of them, 75% of the employees have chosen the company transport services for the trip.

$$\text{Then, the number of employees registered for the company transport} = 3024 \times \frac{75}{100} = 2268$$

25% of them went to the trip by their own transport for some reasons.

Then, the number of employees went to the trip by their own in spite of registering for the company transport

$$= 2268 \times \frac{25}{100} = 567$$

So, the actual number of employees went to the trip by company transport =  $2268 - 567 = 1701$

Initially, the company had booked 57 buses with 40 seats capacity in each.

$$\therefore \text{The number of buses actually used for the trip} = \frac{1701}{40} = 42.525 \approx 43.$$

Hence, option A is correct.

4. Total number of employees in the company = 4200

72% of the employees registered for the trip.

$$\text{So, the number of employees registered for the trip} = 4200 \times \frac{72}{100} = 3024$$

Then, the number of employees did not register for the trip =  $4200 - 3024 = 1176$

Out of them, 75% of the employees have chosen the company transport services for the trip.

$$\text{Then, the number of employees registered for the company transport} = 3024 \times \frac{75}{100} = 2268$$

25% of them went to the trip by their own transport for some reasons.

Then, the number of employees went to the trip by their own in spite of registering for the company transport

$$= 2268 \times \frac{25}{100} = 567$$

$$\therefore \text{The reqd. \%} = \frac{567}{1176} \times 100\% = 48.21\%$$

Hence, option D is correct.

5. Total number of employees in the company = 4200

72% of the employees registered for the trip.

So, the number of employees registered for the trip

$$= 4200 \times \frac{72}{100} = 3024$$

The ratio of male and female employees registered for the trip is 7 : 5.

The number of female employees registered for the trip

$$= 3024 \times \frac{5}{12} = 1260$$

Out of them, 75% of the employees have chosen the company transport services for the trip.

$$\text{Then, the number of employees registered for the company transport} = 3024 \times \frac{75}{100} = 2268$$

$$\text{So, the number of employees did not registered for the company transport} = 3024 \times \frac{25}{100} = 756$$

25% of them went to the trip by their own transport for some reasons.

Then, the number of employees went to the trip by their own in spite of registering for the company transport

$$= 2268 \times \frac{25}{100} = 567$$

So, the total number of employees went to trip by their own transport =  $756 + 567 = 1323$

The ratio of male and female employees who came by their own transport is 5 : 4.

$$\text{So, the number of female employees went to trip by their own transport} = 1323 \times \frac{4}{9} = 588$$

∴ The required ratio =  $1260 : 588 = 15 : 7$

Hence, option C is correct.





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