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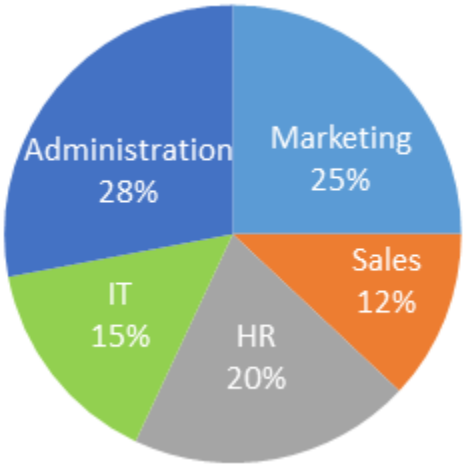
# Date Interpretation Mixed Chart Questions Quiz for SBI Clerk Pre and IBPS Clerk Pre Exams.

## DI Mixed Chart Quiz 51

**Direction : Study the following pie chart and table chart carefully and answer the question given beside.**

Percentage wise distribution of number of employees working in various departments of an organization

Total number of employees in the organization = 8500




| Departments | Male : Female |
|---|---|
| Marketing | 3 : 2 |
| Sales | 8 : 9 |
| HR | 7 : 10 |
| IT | 2 : 3 |
| Administration | 11 : 6 |

**1. Total number of employees in Marketing department is what percent of number of females in HR department?**

A. 103.56% B. 212.5% C. 120.4% D. 138.12% E. None of these

**2. Find the respective ratio of number of Males in Sales department and number of females in IT department.**

A. 51 : 32 B. 48 : 31 C. 32 : 51 D. 31 : 48 E. None of these

**3. Find the sum of total number of males in all the departments together.**

A. 1876 B. 4505 C. 2465 D. 3425 E. None of these

**4. Find the difference between total number of males in Marketing and Administration departments together and total number of females in the same departments.**

A. 1015 B. 955 C. 865 D. 1125 E. None of these

**5. Total number of employees in Marketing and Sales departments together is what percent more than total number of employees in HR and IT departments together?**

A. 4.13% B. 3.18% C. 5.71% D. 5.12% E. None of these

**Correct Answers:**

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| B | C | B | D | C |

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## Explanations:

**1.** Total number of employees in Marketing department

$= \frac{25}{100} \times 8500 = 2125$

Number of females in HR department

$= \frac{10}{17} \times \frac{20}{100} \times 8500 = 1000$

Reqd. % $= \frac{2125}{1000} \times 100 = 212.5\%$

Hence, option B is correct.

**2.** Number of males in Sales department

$= \frac{8}{17} \times \frac{12}{100} \times 8500 = 480$

Number of females in IT department

$= \frac{3}{5} \times \frac{15}{100} \times 8500 = 765$

Required ratio = 480 : 765 = 32 : 51

Hence, option C is correct.

**3.** Total number of males in all the departments together

$= \frac{3}{5} \times \frac{25}{100} \times 8500 + \frac{8}{17} \times \frac{12}{100} \times 8500 + \frac{7}{17} \times \frac{20}{100} \times 8500$

$+ \frac{2}{5} \times \frac{15}{100} \times 8500 + \frac{11}{17} \times \frac{28}{100} \times 8500$

= 1275 + 480 + 700 + 510 + 1540 = 4505

Hence, option B is correct.

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**4.** Total number of males in Marketing and Administration departments together

$= \frac{3}{5} \times \frac{25}{100} \times 8500 + \frac{11}{17} \times \frac{28}{100} \times 8500$

$= 1275 + 1540 = 2815$

Total number of females in Marketing and Administration departments together

$= \frac{2}{5} \times \frac{25}{100} \times 8500 + \frac{6}{17} \times \frac{28}{100} \times 8500$

$= 850 + 840 = 1690$

Required difference = 2815 – 1690 = 1125

Hence, option D is correct.

**5.** Total number of employees in Marketing and Sales departments

$= \frac{25 + 12}{100} \times 8500 = \frac{37}{100} \times 8500 = 3145$

Total number of employees in HR and IT departments

$= \frac{20 + 15}{100} \times 8500 = \frac{35}{100} \times 8500 = 2975$

Reqd. $\% = \frac{3145 - 2975}{2975} \times 100$

$= \frac{170}{2975} \times 100 = 5.71\%$

Hence, option C is correct.

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