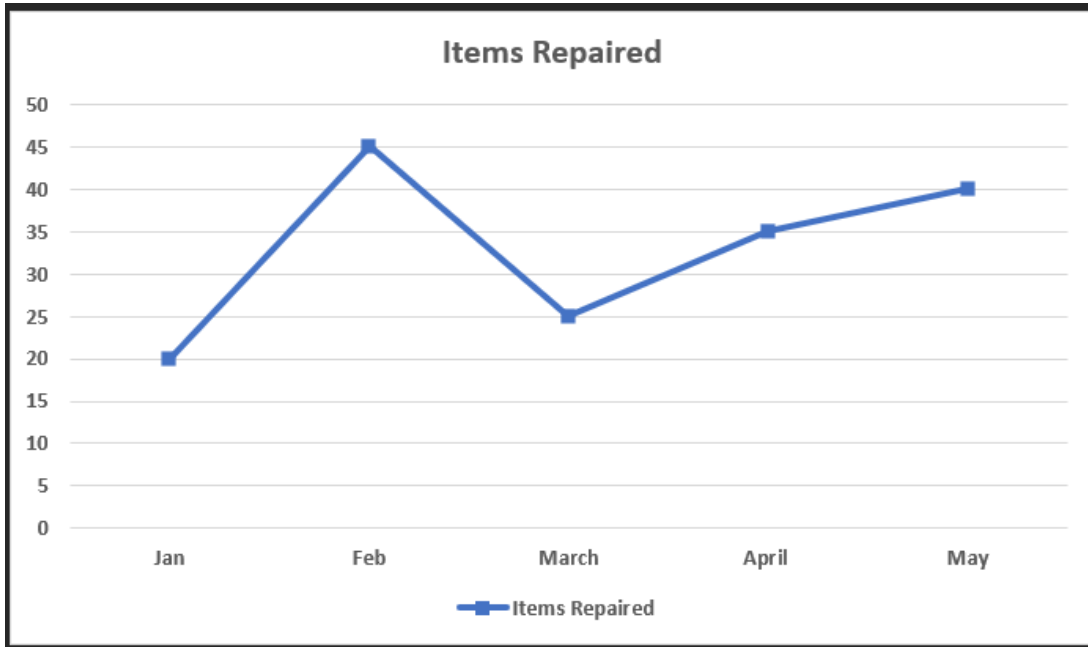


## Practice Questions For SBI/IBPS Clerk: Bar Line

**Directions {1-5} :** The line graph shows the number of electrical items repaired in given month. Read the line graph carefully and answer the following question.



**Q1. Find the ratio of items repaired in the month of March to the month of April.**

- (a). 5:7
- (b). 7:5
- (c). 2:1
- (d). 4:5
- (e). 3:5

**Ans.(a)**

**Sol.** Required answer =  $25:35 = 5:7$

**Q2. Find the items repaired in February is what percentage of items repaired in January and May together.**

- (a). 90
- (b). 85
- (c). 80
- (d). 70
- (e). 75

**Ans.(e)**

**Sol.** Required answer =  $45/(20+40) \times 100 = 75\%$

**Q3. If the items repaired in June is 20% more than that of April, then find the difference between items repaired in June and March.**



- (a). 17
- (b). 15
- (c). 20
- (d). 10
- (e). 3

**Ans.(a)**

**Sol.** items Repaired in June is 20% more than that of April

items Repaired in June = 120% of 35 = 42

Required answer = 42 - 25 = 17

**Q4. Find the average number of items repaired in all given months.**

- (a). 50
- (b). 33
- (c). 35
- (d). 55
- (e). 44

**Ans.(b)**

**Sol.** Required answer =  $(20+45+25+35+40)/5=33$

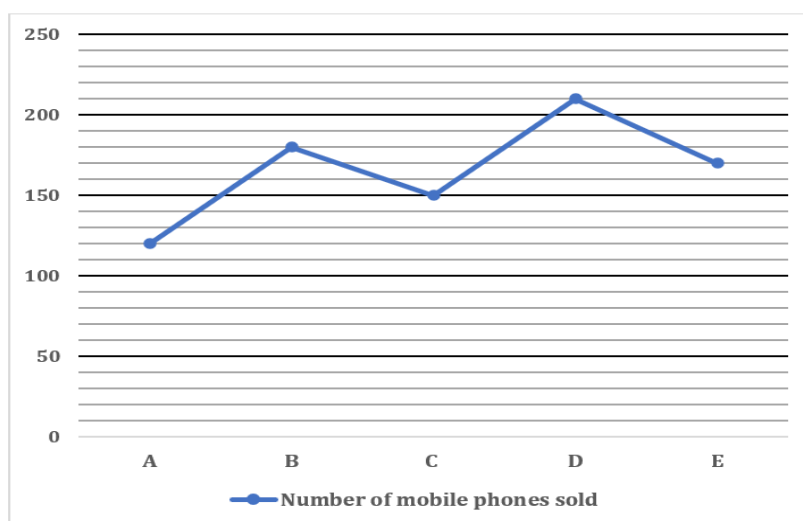
**Q5. Find the sum of items repaired in the month of February and April.**

- (a). 80
- (b). 85
- (c). 100
- (d). 40
- (e). 20

**Ans.(a)**

**Sol.** Required answer =  $45+35 = 80$

**Directions {6-10} :** Read the following line graph carefully and answer the questions given below. The line graph shows the number of mobile phones sold in five different shops A, B, C, D, and E in a week.



**Q6. How many mobile phones were sold by Shop C and Shop E together?**

- (a). 340
- (b). 320
- (c). 330
- (d). 300
- (e). 350

**Ans.(b)**

**Sol.** Required sum =  $150 + 170 = 320$

**Q7. How many more phones were sold by Shop D than Shop A?**

- (a). 90
- (b). 80
- (c). 10
- (d). 40
- (e). 50

**Ans.(a)**

**Sol.** Required difference =  $210 - 120 = 90$

**Q8. What is the average number of mobile phones sold by the five shops?**

- (a). 168
- (b). 172
- (c). 184
- (d). 166
- (e). 176

**Ans.(d)**

**Sol.** Required average =  $\frac{120 + 180 + 150 + 210 + 170}{5} = 166$

**Q9. The number of mobiles phones sold by C is what percentage of the number of mobiles phones sold by D (approx.)?**

- (a). 84%
- (b). 79%
- (c). 71%
- (d). 59%
- (e). 63%

**Ans.(c)**

**Sol.** Required percentage =  $\frac{150}{210} \times 100 = 71.4 = 71\%$  (approx.)

**Q10. Find the ratio of the number of mobiles phones sold by A to that of B.**

- (a). 1:3
- (b). 3:2
- (c). 2:3
- (d). 3:1
- (e). 3:5

**Ans.(c)**

**Sol.** Required ratio =  $120 : 180 = 2:3$

**Directions {11-15} :** The bar graph shows the number of managers in five companies. Read the data and answer the following question.



**Q11. Find the average number of managers in A, C & E.**

- (a). 59
- (b). 53
- (c). 56
- (d). 46
- (e). 42

**Ans.(c)**

**Sol.** Required answer =  $\frac{56+64+48}{3} = 56$

**Q12. If the ratio of male to female managers in C and E is 3:1 and 1:1 respectively, then find the females managers in C and E.**

- (a). 39
- (b). 40
- (c). 36
- (d). 16
- (e). 24

**Ans.(b)**

**Sol.** Required answer =  $\frac{1}{4} \times 64 + \frac{1}{2} \times 48 = 40$

**Q13. If the number of managers in A is 12.5% less than the manager in F. find the difference between manager in F and D.**

- (a). 39
- (b). 40
- (c). 36
- (d). 16
- (e). 24

**Ans.(d)**

**Sol.** Required answer =  $80 - \frac{100}{87.5} \times 56 = 16$

**Q14. Managers in C is what percentage of managers in D.**

- (a). 80
- (b). 83
- (c). 85
- (d). 86
- (e). 82

**Ans.(a)**

**Sol.** Required answer =  $\frac{64}{80} \times 100 = 80\%$

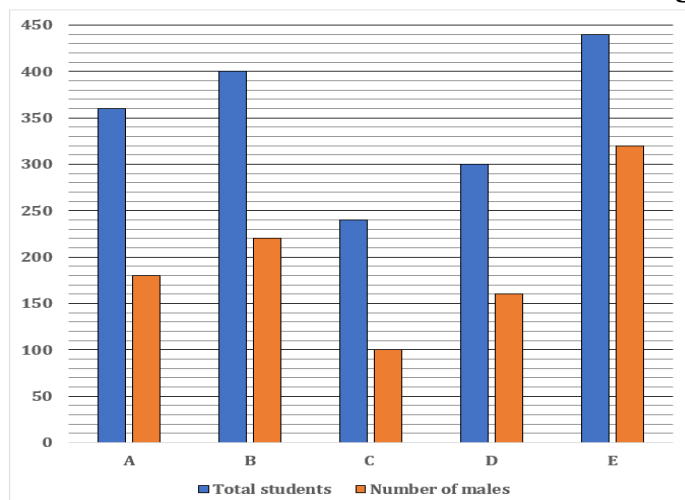
**Q15. Find the ratio of managers in A and D together to managers in E and B together.**

- (a). 17:15
- (b). 17:13
- (c). 16:17
- (d). 26:23
- (e). 29:23

**Ans.(a)**

**Sol.** Required answer =  $56+80:48+72 = 136:120 = 34:30 = 17:15$

**Directions {16-20} : Read the following bar graph carefully and answer the questions given below. The bar graph below shows the total number of students (Male + Female) and the number of Male students in five different colleges.**



**Q16. The number of female students in Colleges A, C, and D together is what percent less than the number of male students in Colleges B and E together (approx.)?**

- (a). 19%
- (b). 11%
- (c). 15%
- (d). 23%
- (e). 7%

**Ans.(c)**

**Sol. College A**

Total Students = 360

Male Students = 180

Female Students =  $360 - 180 = 180$

**College B**

Total Students = 400

Male Students = 220

Female Students =  $400 - 220 = 180$

**College C**

Total Students = 240

Male Students = 100

Female Students =  $240 - 100 = 140$

**College D**

Total Students = 300

Male Students = 160

Female Students =  $300 - 160 = 140$

**College E**

Total Students = 440

Male Students = 320

Female Students =  $440 - 320 = 120$

| Colleges | Total | Male | Female |
|----------|-------|------|--------|
| A        | 360   | 180  | 180    |
| B        | 400   | 220  | 180    |
| C        | 240   | 100  | 140    |
| D        | 300   | 160  | 140    |
| E        | 440   | 320  | 120    |

Female students in A, C, and D =  $180 + 140 + 140 = 460$

Male students in B and E =  $220 + 320 = 540$

Required percentage =  $(460/540) \times 100 = 85.19\% = 14.81\% = 15\%$  (approx.)

**Q17. If 20% of the male students of College E are transferred to College C, and simultaneously 15% of the female students of College C are transferred to College E, what will be the new ratio of Male to Female students in College C?**

- (a). 164 : 119
- (b). 168 : 121
- (c). 162 : 117

(d). 172 : 123

(e). 176 : 125

**Ans.(a)**

**Sol. College A**

Total Students = 360

Male Students = 180

Female Students =  $360 - 180 = 180$

**College B**

Total Students = 400

Male Students = 220

Female Students =  $400 - 220 = 180$

**College C**

Total Students = 240

Male Students = 100

Female Students =  $240 - 100 = 140$

**College D**

Total Students = 300

Male Students = 160

Female Students =  $300 - 160 = 140$

**College E**

Total Students = 440

Male Students = 320

Female Students =  $440 - 320 = 120$

| Colleges | Total | Male | Female |
|----------|-------|------|--------|
| A        | 360   | 180  | 180    |
| B        | 400   | 220  | 180    |
| C        | 240   | 100  | 140    |
| D        | 300   | 160  | 140    |
| E        | 440   | 320  | 120    |

20% of 320 = 64 males transferred to C.

15% of 140 = 21 females transferred from C.

New Male students in C =  $100 + 64 = 164$

New Female students in C =  $140 - 21 = 119$

Required ratio = 164 : 119

**Q18. The average number of female students in Colleges A, B, C, and D is approximately what percent of the average number of male students in all five colleges?**

(a). 78%

(b). 72%

(c). 82%

(d). 88%

(e). 96%

**Ans.(c)**

**Sol. College A**

Total Students = 360

Male Students = 180

Female Students =  $360 - 180 = 180$

**College B**

Total Students = 400

Male Students = 220

Female Students =  $400 - 220 = 180$

**College C**

Total Students = 240

Male Students = 100

Female Students =  $240 - 100 = 140$

**College D**

Total Students = 300

Male Students = 160

Female Students =  $300 - 160 = 140$

**College E**

Total Students = 440

Male Students = 320

Female Students =  $440 - 320 = 120$

| Colleges | Total | Male | Female |
|----------|-------|------|--------|
| A        | 360   | 180  | 180    |
| B        | 400   | 220  | 180    |
| C        | 240   | 100  | 140    |
| D        | 300   | 160  | 140    |
| E        | 440   | 320  | 120    |

Average female students =  $(180 + 180 + 140 + 140)/4 = 160$

Average male students =  $(180 + 220 + 100 + 160 + 320)/5 = 196$

Required percentage =  $(160/196) \times 100 = 81.63\% \approx 82\%$

**Q19. If 25% of the female students in College B and 20% of the male students in College D are given scholarships, then how many students get scholarships in total?**

(a). 69

(b). 77

(c). 71

(d). 81

(e). 85

**Ans.(b)**

**Sol. College A**

Total Students = 360

Male Students = 180

Female Students =  $360 - 180 = 180$

**College B**

Total Students = 400

Male Students = 220

Female Students =  $400 - 220 = 180$

**College C**

Total Students = 240

Male Students = 100

Female Students =  $240 - 100 = 140$

**College D**

Total Students = 300

Male Students = 160

Female Students =  $300 - 160 = 140$

**College E**

Total Students = 440

Male Students = 320

Female Students =  $440 - 320 = 120$

| Colleges | Total | Male | Female |
|----------|-------|------|--------|
| A        | 360   | 180  | 180    |
| B        | 400   | 220  | 180    |
| C        | 240   | 100  | 140    |
| D        | 300   | 160  | 140    |
| E        | 440   | 320  | 120    |

Female students in College B =  $400 - 220 = 180$

Scholarship recipients from College B =  $25\%$  of  $180 = 45$

Male students in College D = 160

Scholarship recipients from College D =  $20\%$  of  $160 = 32$

Total students receiving scholarships =  $45 + 32 = 77$

**Q20. Find the difference between total students in Colleges A and D together and total male students in Colleges E and C together?**

(a). 320

(b). 140

(c). 160

(d). 240

(e). 200

**Ans.(d)**

**Sol. College A**

Total Students = 360

Male Students = 180

Female Students =  $360 - 180 = 180$

**College B**

Total Students = 400

Male Students = 220

Female Students =  $400 - 220 = 180$

**College C**

Total Students = 240

Male Students = 100

Female Students =  $240 - 100 = 140$

### College D

Total Students = 300

Male Students = 160

Female Students =  $300 - 160 = 140$

### College E

Total Students = 440

Male Students = 320

Female Students =  $440 - 320 = 120$

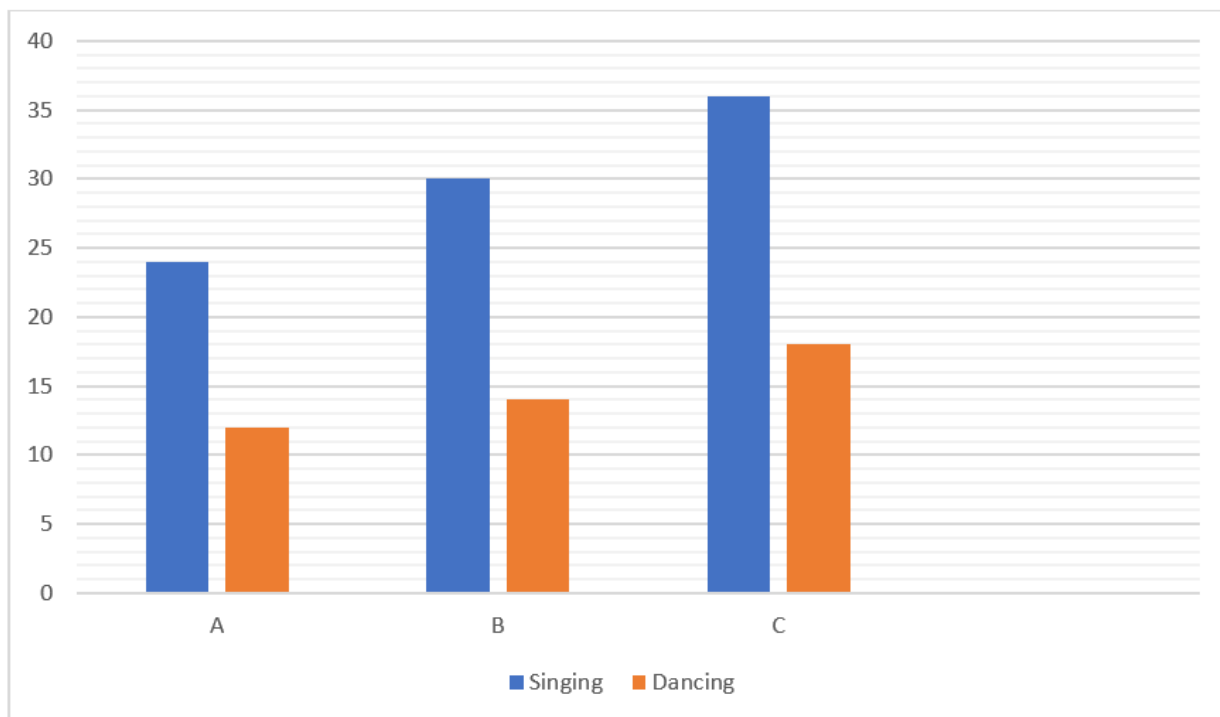
| Colleges | Total | Male | Female |
|----------|-------|------|--------|
| A        | 360   | 180  | 180    |
| B        | 400   | 220  | 180    |
| C        | 240   | 100  | 140    |
| D        | 300   | 160  | 140    |
| E        | 440   | 320  | 120    |

Total students in A and D =  $360 + 300 = 660$

Male students in E and C =  $320 + 100 = 420$

Difference =  $660 - 420 = 240$

**Directions {21-25} :** The bar graph given below shows the number of students participated in singing and dancing from three different schools. Read the information and answer the following questions.



**Q21.** Find the ratio of students participated in singing from A to students participated in dancing from B.

- (a). 12:5
- (b). 12:7
- (c). 10:11
- (d). 2:5
- (e). 15:7

**Ans.(b)**

**Sol.** Required answer = 24: 14 = 12: 7

**Q22. Find the average number of students participated in singing from all the given schools.**

- (a). 25
- (b). 26
- (c). 10
- (d). 30
- (e). 50

**Ans.(d)**

**Sol.** Required answer =  $(24 + 30 + 36) / 3 = 30$

**Q23. If students participated in singing from A are 20% less than the students participated in drawing. Find the number of students participated in drawing.**

- (a). 12
- (b). 5
- (c). 10
- (d). 20
- (e). 30

**Ans.(e)**

**Sol.** Students participated in drawing =  $24 \times \frac{100}{80} = 30$

**Q24. Find the difference between students participated in singing and dancing from C.**

- (a). 12
- (b). 18
- (c). 15
- (d). 20
- (e). 16

**Ans.(b)**

**Sol.** Required answer =  $36 - 18 = 18$

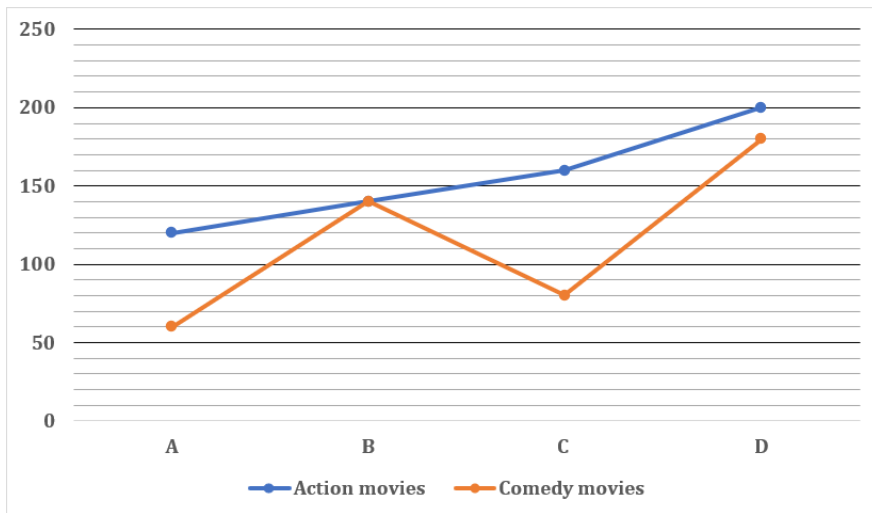
**Q25. The students participated in singing from B are what percentage of students participated in dancing from A and C.**

- (a). 125
- (b). 126
- (c). 100
- (d). 200
- (e). 150

Ans.(c)

Sol. Required answer =  $\frac{30}{12+18} \times 100 = 100\%$

Directions {26-30} : Read the following line graph carefully and answer the questions given below. The line graph shows the number of tickets sold by four different cinema halls for two different movies.



Q26. What is the total number of tickets sold for Action movies across all cinema halls?

- (a). 600
- (b). 610
- (c). 620
- (d). 660
- (e). 680

Ans.(c)

Sol. Required answer =  $120 + 140 + 160 + 200 = 620$

Q27. What is the difference between total action and comedy tickets sold by cinema hall A?

- (a). 20
- (b). 40
- (c). 60
- (d). 80
- (e). 100

Ans.(c)

Sol. Required difference =  $120 - 60 = 60$

Q28. What is the ratio of tickets sold for Action to Comedy in Hall D?

- (a). 10 : 9
- (b). 13:12
- (c). 14:13
- (d). 15:11
- (e). 11:15

**Ans.(a)**

**Sol.** Required ratio =  $200 : 180 = 10 : 9$

**Q29. What is the average number of tickets sold for comedy movies by all four cinema halls?**

- (a). 150
- (b). 155
- (c). 160
- (d). 165
- (e). 115

**Ans.(e)**

**Sol.** Required average =  $\frac{60 + 140 + 80 + 180}{4} = 115$

**Q30. Total number of tickets sold for comedy movies by B is what percentage of the total number of tickets sold for action movies by D?**

- (a). 15%
- (b). 70%
- (c). 45%
- (d). 65%
- (e). 80%

**Ans.(b)**

**Sol.** Required percentage =  $\frac{140}{200} \times 100 = 70\%$

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