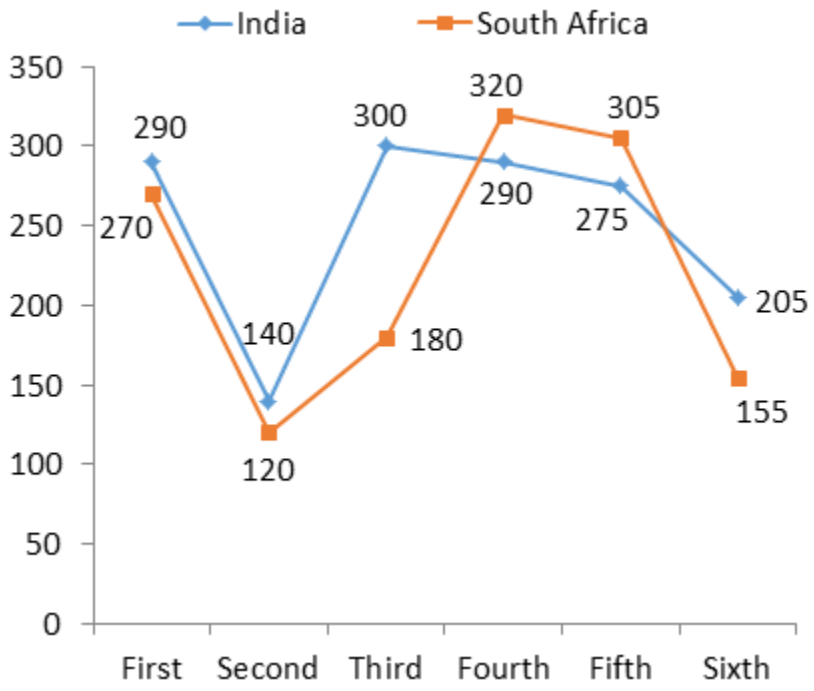
Data Interpretation Line Chart Question for Bank Exams (SBI Clerk, IBPS Clerk, SBI PO Pre, IBPS PO Pre, IBPS SO Pre, & RRB Scale I Pre)

DI Line Chart Quiz No. 23

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

Number of runs scored by two different team in 6 matches of a series is given below line chart.



1. In which of the following matches the difference between the number of runs scored by Indian team and number of runs scored by South African team is highest?

A. First B. Second C. Third D. Fourth E. Sixth

2. What is the difference between the average runs scored by team India in first and third match together and the average runs scored by team South Africa in fourth, fifth and sixth match together?

A. 70 B. 105 C. 135 D. 35 E. None of these

3. In how many matches South African team scored more than 90% of the runs scored by Indian team in that match?

A. 5 B. 4 C. 3 D. 1 E. None of these

4. Find the ratio of per cent runs scored by Indian team in fifth match out of total runs score in all matches to the per cent runs scored by South African team in third match out of total runs score in all matches.

A. 11 : 9 B. 11 : 8 C. 8 : 11 D. 9 : 11 E. None of these

5. If 80% per cent of total runs scored by Indian team in fifth match comes from boundary only and ratio of number of fours hit to the number sixes hit is 14 : 9, then find the number of runs scored by fours only in fifth match by Indian team.

A. 112 B. 120 C. 108 D. 124 E. None of these

6. Find that total runs scored by South African team in all 6 matches together is what per cent less than the total runs scored by Indian team in all 6 matches together?

A. 10% B. 20% C. 11% D. 9% E. None of these

Correct Answers:

1	2	3	4	5	6
C	D	C	B	A	A

***Explanations*:**

1.

Difference in runs in first match = 290 – 270 = 20

Difference in runs in second match = 140 – 120 = 20

Difference in runs in third match = 300 – 180 = 120

Difference in runs in fourth match = 320 – 290 = 30

Difference in runs in fifth match = 305 – 275 = 30

Difference in runs in sixth match = 205 – 155 = 50

Hence required difference is maximum in third match.

Therefore, option C is correct.

2.

Average runs scored by team India in first and third match together

$= \frac{290 + 300}{2} = 295$

Average runs scored by team South Africa in in fourth, fifth and sixth match

$= \frac{320 + 305 + 155}{3} = 260$

Required difference = 295 – 260 = 35

Hence, option D is correct.

3.

In first match, 90% of 290 = 261 < 270

In second match, 90% of 140 = 126 > 120

In third match, 90% of 300 = 270 > 180

In fourth match, 90% of 290 = 261 < 320

In fifth match, 90% of 275 = 247.5 < 305

In sixth match, 90% of 205 = 184.5 > 155

Hence, option C is correct.

4.

Total runs scored by Indian team in all matches =
290 + 140 + 300 + 290 + 275 + 205 =
1500

Per cent runs scored by Indian team in fifth match out of total runs =

$$\frac{275}{1500} \times 100 = \frac{55}{3}\%$$

Total runs scored by South African team in all matches =
270 + 120 + 180 + 320 + 305 + 155 =
1350

Per cent runs scored by South Africa in third match out of total runs =

$$\frac{180.}{1350} \times 100 = \frac{40}{3}\%$$

Required ratio = $\frac{55}{3} : \frac{40}{3}$ = 55 : 40 = 11 : 8
Hence, option B is correct.

5.

Total runs scored by South African team in all matches =
270 + 120 + 180 + 320 + 305 + 155 =
1350

Total runs scored by Indian team in all matches =
290 + 140 + 300 + 290 + 275 + 205 =
1500

Required % = $\frac{1500 - 1350}{1500} \times 100 = 10\%$

Hence, option A is correct.

6.

Total runs scored by South African team in all matches =
270 + 120 + 180 + 320 + 305 + 155 =
1350

Total runs scored by Indian team in all matches =
290 + 140 + 300 + 290 + 275 + 205 =
1500

Required % = $\frac{1500 - 1350}{1500} \times 100 = 10\%$

Hence, option A is correct.