SmartKeeda
The Question Bank

Presents

TestZone

India's least priced Test Series platform

JOIN

12 Month Plan
2017-18 All Test Series

@ Just

₹399/-
300+ Full Length Tests

- ☑ **Brilliant Test Analysis**
- ☑ **Excellent Content**
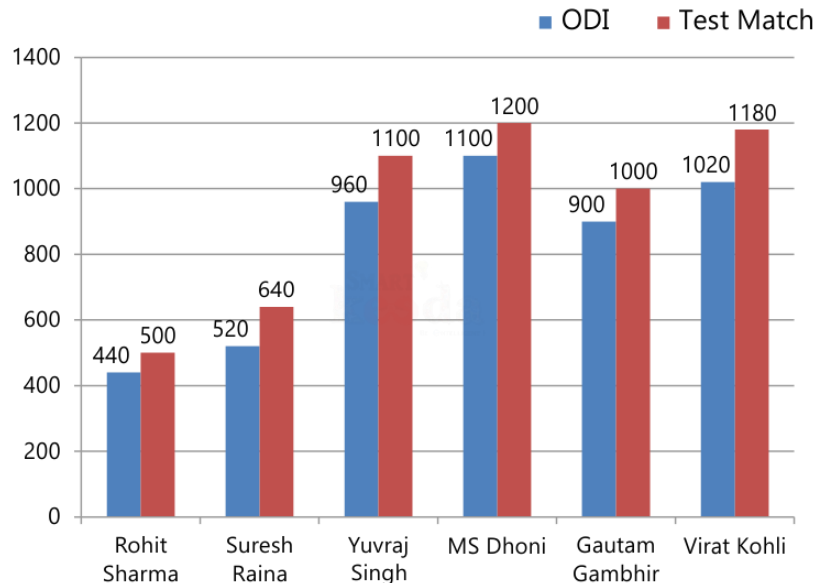- ☑ **Unmatched Explanations**

JOIN NOW

Date Interpretation Bar Graph Questions for Bank Exams.

DI Bar Chart Quiz 19

Directions: Study the graph carefully and answer the following questions.

Scores made by different Indian cricket players in ODI and test matches in year 2015

1. The difference of scores made by Yuvraj Singh in ODI and Test matches is what percentage more or less than the difference of scores made by MS Dhoni in ODI and Test matches is

A. 40% less   B. 40% more   C. 28.5% more   D. 28.5% less   E. None of these

2. Total scores made by all given player in ODI matches is what percentage of total scores made by them in test matches?

A. 84.5%   B. 485.9%   C. 87.9%   D. 89.7%   E. None of these

3. If Yuvraj Singh and MS Dhoni both played 25 ODI matches in this year, then average score of which player is better?

A. Yuvraj Singh   B. MS Dhoni   C. Both have equal average   D. Can't be determined
E. None of these

4. How many players in ODI made score higher than the average score made by all players shown in the graph?

A. 1   B. 2   C. 3   D. 4   E. 5

5. Total score made by Rohit Sharma, Yuvraj Singh and Gautam Gambhir in test matches is what percentage more/less by score made by Suresh Raina, MS Dhoni and Virat Kohli in ODI matches?

A. 15.15% more   B. 15.15 % less   C. 15.38 more   D. 15.38 less   E. None of these

Correct Answers:

1	2	3	4	5
B	C	D	D	B

Explanations:

1.   Difference of scores made by Yuvraj Singh in ODI and test matches = 1100 – 960 = 140
Difference of scores made by MS Dhoni in ODI and test matches = 1200 – 1100 = 100

∴ Reqd. % = $\dfrac{140 - 100}{100}$ × 100% = 40% more

Hence, option B is correct.

2.   Total scores made by all given players in ODI matches = 440 + 520 + 960 + 1100 + 900 + 1020 = 4940
Total scores made by all given players in test matches = 500 + 640 + 1100 + 1200 + 1000 + 1180 = 5620

∴ Reqd. % = $\dfrac{4940}{5620}$ × 100% = 87.9%

Hence, option C is correct.

3.   Given that, Yuvraj Singh and MS Dhoni both played 25 ODI matches and from the given graph, it is clear that MS Dhoni scored more in ODI than Yuvraj Singh. Thus, average of MS Dhoni is obviously better than that of Yuvraj.

Hence, option D is correct.

4. Traditional approach:

Average score in ODI matches

$$= \frac{4940}{6} = 823.3$$

Thus, four players made score higher than the average score.

Intuitive approach:

If we align all the given scores in ascending order, we get
440, 520, 900, 960, 1020, 1100
Now, by observation we can deduce the fact that the average (mid value) of the given values will lie somwhere between 440 and 1100; 750 or 850.
Therefore, it's clear that 4 players are there who scored higher than assumed average.
Hence, option D is correct.

5. Total score made by Rohit Sharma, Yuvraj Singh and Gautam Gambhir in test matches = 500 + 1100 + 1000 = 2600

Total score made by Suresh Raina, MS Dhoni and Virat Kohli in ODI matches = 520 + 1100 + 1020 = 2640
It's clear from the above info that the score of Test matches is 40 runs less than that of ODI matches.

$$\therefore \quad \text{Reqd. \%} = \frac{2640 - 2600}{2640} \times 100\% = 15.15\% \text{ less}$$

Hence, option B is correct.