



Mathematical Reasoning Questions Overview

Mathematical Reasoning Questions have a good weightage in the Ssc Cgl Exam and the type of question asked in Ssc Cgl exam is similar to the question mentioned below. It has been solved and explained by KD Live Experts under the guidance of Neetu Mam and they have tried to elaborate the concept used in Mathematical Reasoning Questions.

Question On Mathematical Reasoning

The average score (runs/match) of Mithali before the start of the women's national series was 45. In the women's national series of 10 matches, her total score was 500 runs. Find the total number of matches played by her till date, if her new average after the series is 47.5.

Difficulty : Moderate

Average Time : 40 Seconds

Mathematical Reasoning Questions Options

1. 38
2. 10
3. 30
4. 28

Mathematical Reasoning Questions Solution

The correct answer is **option 2** i.e. **10**

Let the number of matches played by Mithali before the series be x

Then the sum of her scores in x matches = $45x$

After 10 more innings, her total score becomes $(45x + 500)$ in $(x + 10)$ matches

Her new average score = 47.5

$$(45x + 500)/(x + 10) = 47.5$$

$$45x + 500 = 47.5x + 475$$

$$2.5x = 25$$

Thus, $x = 10$.

So, she has played **10** matches till the date.

Hence, **option 2** is the correct answer.

Mathematical Reasoning Questions Tips and Tricks



1. Try to solve Mathematical Reasoning Questions without taking any help from the solutions.
2. Mathematical Reasoning Questions require proper usage of concept so firstly read the question thoroughly and then use the right concept.
3. In case you're not able to solve the question in less than 30 seconds in the exam then you should skip the question and move to the next question.

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Further Guidance on Mathematical Reasoning Questions

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About KD Live

KD live has an expertise in providing apt explanations for the Mathematical Reasoning Questions since 2008. More than 10 lakh aspirants have cleared competitive exams under the guidance of Neetu Mam. Study.kdcampus.live is providing free information on various topics and for the Ssc Cgl Exam you can refer the following link [Click Here](#) however if you want to practice more questions then please refer the following link [Click Here](#).

About Neetu Mam

Neetu Mam is primarily passionate for the English language and teaching from the last 20 years however for the Mathematical Reasoning Questions. She has guided her team to provide the best explanation for the question.