

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

Company A & B invested in a new business in a partnership by investing in the ratio of 2 : 5. After one year, company B invests another 34 lakhs. At the end of three years, profits are shared in the ratio of 2 : 7. Find the difference between the initial investment of Company A and B.

Difficulty : Moderate

Average Time : 40 Seconds

Mathematical Reasoning Questions Options

1. 20 lakhs
2. 14 lakhs
3. 34 lakhs
4. 32 lakhs

Mathematical Reasoning Questions Solution

The correct answer is **option 3** i.e. **34 lakhs**.

Let the initial investments of company A and B be $2x$ lakhs and $5x$ lakhs respectively.

Since, we know that Profit = Capital * Time

Then, the ratio of their profits after 3 years is given as:

$$(2x * 36) : [(5x * 12) + (5x + 34) * 24] = 2 : 7$$

$$72x : (180x + 816) = 2 : 7$$

Therefore,

$$504x = 360x + 1632$$

$$144x = 1632$$

$$x = 11.333333$$

Hence, the difference between company's A and B initial investment = $(5x - 2x) = 3x = 34$ lakhs.

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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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.