

Ratios And Proportion Questions Overview

Ratios And Proportion 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 Ratios And Proportion Questions.

Question On Ratios And Proportion

Let the m-th and n-th terms of a geometric progression are $\frac{3}{4}$ and 12, respectively, where $m < n$. If the common ratio of the progression is an integer r, then the smallest possible value of $r + n - m$ is

Difficulty : Moderate

Average Time : 38 Seconds

Ratios And Proportion Questions Options

1. -2
2. 2
3. 6
4. -4

Ratios And Proportion Questions Solution

The correct answer is **Option 1** i.e. -2

The m-th term of the GP = ar^{m-1}

The n-th term of the GP = ar^{n-1}

Where 'a' is the first term of the GP and 'r' is the common ratio of the GP.

$$ar^{n-1}/ar^{m-1} = 12/3/4$$

$$r^{n-m} = 16$$

$$r^{n-m} = 16 = (\pm 2)^4 = (\pm 4)^2$$

Case 1. $r = -2$

$$n - m = 4$$



$$r + n - m = 2$$

Case 1. $r = -4$

$$n - m = 2$$

$$r + n - m = -2$$

As we want the smallest value so our answer would be -2.

Ratios And Proportion Questions Tips and Tricks



1. Try to solve Ratios And Proportion Questions without taking any help from the solutions.
2. Ratios And Proportion 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 Ratios And Proportion Questions

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KD live has an expertise in providing apt explanations for the Ratios And Proportion 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 Ratios And Proportion Questions. She has guided her team to provide the best explanation for the question.