



Mixtures And Alligations Questions Overview

Mixtures And Alligations 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 Mixtures And Alligations Questions.

Question On Mixtures And Alligations

In a 400 ml mixture of milk and water, milk is _____ % more than that of water. When 160 ml of mixture is removed and replaced with 54 ml water and 36 ml milk, then the ratio of milk and water in the mixture becomes _____ respectively.

I. 50%, 6 : 5 II. 66.66%, 31 : 16 III. 200%, 36 : 19

Difficulty : Moderate

Average Time : 40 Seconds

Mixtures And Alligations Questions Options

1. I only
2. II only
3. I and III only
4. II and III only

Mixtures And Alligations Questions Solution

The correct answer is **option 3** i.e. **I and III only**.

I. 50%, 6 : 5

The ratio of milk and water in the initial mixture = 3 : 2

Amount of milk in initial mixture = $\frac{3}{5} \times 400 = 240$ ml

Amount of water in initial mixture = $\frac{2}{5} \times 400 = 160$ ml

Ratio of milk and water in new mixture = $[240 - \frac{3}{5} \times 160 + 36] : [160 - \frac{2}{5} \times 160 + 54] = 180 : 150 = 6 : 5$

This statement is true.

II. 66.66%, 31 : 16

The ratio of milk and water in the initial mixture = 5 : 3

Amount of milk in the initial mixture = $5/8 \times 400 = 250$ ml

Amount of water in initial mixture = $3/8 \times 400 = 150$ ml

Ratio of milk and water in new mixture = $[250 - 5/8 \times 160 + 36] : [150 - 3/8 \times 160 + 54] = 186:144 = 31:24$

This statement is not true

III. 200%, 36:19

The ratio of milk and water in the initial mixture = 3:1

Amount of milk in the initial mixture = $3/4 \times 400 = 300$ ml

Amount of water in initial mixture = $1/4 \times 400 = 100$ ml

Ratio of milk and water in new mixture = $[300 - 3/4 \times 160 + 36] : [100 - 1/4 \times 160 + 54] = 216 : 114 = 36 : 19$

This statement is true.

So, Only I and III are true

Mixtures And Alligations Questions Tips and Tricks



1. Try to solve Mixtures And Alligations Questions without taking any help from the solutions.
2. Mixtures And Alligations 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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Exam Pattern
Answer Key
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Further Guidance on Mixtures And Alligations Questions

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