



Data Sufficiency Questions Overview

Data Sufficiency Questions have a good weightage in the Ssc Chsl Exam and the type of question asked in Ssc Chsl 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 Data Sufficiency Questions.

Question On Data Sufficiency

If $x^4 + x^2 y^2 + y^4 = 273$ and $x^2 - xy + y^2 = 13$, then the value of xy is :

Difficulty : Moderate

Average Time : 33 Seconds

Data Sufficiency Questions Options

1. 4
2. 10
3. 6
4. 8

Data Sufficiency Questions Solution

The correct answer is **option 1** i.e 4

Explanation:

$$x^2 - xy + y^2 = 13 \text{ ---(1)}$$

$$x^4 + x^2 y^2 + y^4 = 273$$

$$x^2 + xy + y^2(x^2 - xy + y^2) = 273 \text{ ---(2)}$$

put the value of eq (1) in eq (2)-

$$(x^2 + xy + y^2)(13) = 273$$

$$(x^2 + xy + y^2) = 21$$

$$(x^2 + xy + y^2 + xy - xy) = 21$$

$$(x^2 - xy + y^2 + 2xy) = 21$$

put the value from eq(1)

$$13 + 2xy = 21$$

$$2xy = 8$$

$$xy = 4$$

The value of xy is 4.

Data Sufficiency Questions Tips and Tricks



1. Try to solve Data Sufficiency Questions without taking any help from the solutions.
2. Data Sufficiency 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 Data Sufficiency 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 Chsl 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 Data Sufficiency Questions. She has guided her team to provide the best explanation for the question.