



Puzzle Questions Overview

Puzzle 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 Puzzle Questions.

Comprehension On Puzzle Questions

Direction: Read the following information carefully and answer the questions given below. Eight carpenter buys different sizes of wooden planks having the same eights. The length and breadth of the wooden planks are 21, 25, 36, 49, 60, 72, 75, and 96 but not necessarily in the same order. The length and breadth of each plank are different except for one. The difference between the breadth and length of the planks bought by Z is 47. The breadth and length of the planks bought by W are the perfect square but are not the same. Also, neither the length nor breadth of W is 49. The length of the planks bought by T is the multiple of 25. The sum of breadths of the planks bought by V and X is equal to the length of the planks bought by S. The plank which has the highest length has the least breadth. The breadth and length of the planks bought by T are the same. The difference between the breadths of the planks bought by T and Y is 3. The length of the planks bought by X is more than that of the planks bought by Y. The breadth of the planks bought by U is one less than double the breadth of the planks bought by W. The length of the plank bought by U is more than the length of the plank bought by Y. The sum of the breadth and length of the planks bought by V is equal to the breadth of the planks bought by Z.

Question On Puzzle

What is the difference between the length and breadth of the plank buys by U?

Difficulty : Moderate

Average Time : 101 Seconds

Puzzle Questions Options

1. 20
2. 24
3. 30
4. 41
5. None of these

Puzzle Questions Solution

The correct answer is **Option 2** i.e. **24**

1. The sum of breadths of the planks bought by V and X is equal to the length of the planks bought by S. (there are two combinations- (21, 75, 96) and (36, 60, 96))
2. The plank which has the highest length has the least breadth. (from these condition possibility of the breadth of V and X being 21 has been canceled).
3. The sum of the breadth and length of the planks bought by V is equal to the breadth of the planks bought by Z.
4. The difference between the breadth and length of the planks bought by Z is 47.

From these conditions, there are two possibilities-

Case 1			Case 2		
Carpenter	Plank's Length	Plank's Breadth	Carpenter	Plank's Length	Plank's Breadth
S	96	21	S	96	21
T			T		
U			U		
V	60	36	V	36	60
W			W		
X		60	X		36
Y			Y		
Z	49	96	Z	49	96

5. The breadth and length of the planks bought by W is perfectly square but are not the same. Also, neither the length nor breadth of W is 49. (length and breadth of W is either 36 or 25). (from these conditions case 2 will be eliminated)
6. The length of the planks bought by T is a multiple of 25.
7. The breadth and length of the planks bought by T are the same. (the only possibility is T's length is 75).

Case 1			Case 2		
Carpenter	Plank's Length	Plank's Breadth	Carpenter	Plank's Length	Plank's Breadth
S	96	21	S	96	21
T	75	75	T		
U			U		
V	60	36	V	36	60
W	36	25	W	25	36
X		60	X		36
Y			Y		
Z	49	96	Z	49	96

8. The difference between the breadths of the planks bought by T and Y is 3.
9. The length of the planks bought by X is more than that of the planks bought by Y.
10. The breadth of the planks bought by U is one less than double the breadth of the planks bought by W.'
11. The length of the plank bought by U is more than the length of the plank bought by Y.

The final arrangement is-

Carpenter	Plank's Length	Plank's Breadth
S	96	21
T	75	75
U	25	49
V	60	36

W	36	25
X	72	60
Y	21	72
Z	49	96

From the above arrangement, the difference between the length and breadth of U's plank is $49-25=24$

Hence the correct answer is **24**.

Puzzle Questions Tips and Tricks



1. Try to solve Puzzle Questions without taking any help from the solutions.
2. Puzzle 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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About Neetu Mam

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