

## Sequential Output Tracing Questions for SBI Clerk Pre, IBPS Clerk Pre, IBPS RRB Asst. Pre and LIC Asst. Pre Exams.

Set 44
Directions: A word and number arrangement machine when given an input line of word and numbers arranges them following a particular logic at each step. The following is an illustration of the input and various steps to obtain the output.

Input : toy 82 craft 73 artist 55 fragment 68 wrinkle 27
Step I: 2782 craft 73 artist 55 fragment 68 wrinkle toy
Step II : 822773 artist 55 fragment 68 wrinkle toy craft
Step III: 73822755 fragment 68 wrinkle toy craft artist
Step IV: 55738227 fragment 68 toy craft artist wrinkle
Step V : 6855738227 toy craft artist wrinkle fragment
Step V is the final output.

Find the final output and various steps for the following input.
Input : action 46 frog 67 jam 28 flatter 59 terrific 39

## Questions :

1. Which of the following is third to the left of '39' in step II?
A. 59
B. flatter
C. 67
D. action
E. None of these
2. What is the position of "terrific" in step IV?
A. Immediate left of 39
B. Immediate right of frog
C. Second to the left of 39
D. Third to the right of 46
E. None of these
3. What is the difference between the second element from right end in step I and second element from left end in step II?
A. 12
B. 9
C. 11
D. 5
E. Can't be determined
4. Which of the following words is towards the left of "jam" in step IV?
A. terrific
B. flatter
C. frog
D. All of these
E. None of these
5. Which of the following comes exactly between 39 and frog in the final output?
A. jam
B. 28
C. 46 and 28
D. jam and 28
E. All of these

## Correct Answers:

| $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :--- | :--- | :--- | :--- | :--- |
| B | D | C | A | B |



## Common Explanations:

Change in Words: Words are rearranged as per ascending order of number of letters. Words are arranged at extreme right end.

Change in Numbers: The numbers are changed as per ascending order of the product of digits. Numbers are arranged at extreme left end.

## Reference:

Input : toy 82 craft 73 artist 55 fragment 68 wrinkle 27
Step I: 2782 craft 73 artist 55 fragment 68 wrinkle toy
Inference:
Here " 28 " is the number which has the lowest product of digits (16) and "jam" is the word with lowest number of letters.

Input : action 46 frog 67 jam 28 flatter 59 terrific 39
Step I : 28 action 46 frog 67 flatter 59 terrific 39 jam
Reference:
Step I: 2782 craft 73 artist 55 fragment 68 wrinkle toy
Step II : 822773 artist 55 fragment 68 wrinkle toy craft

## Inference:

Here " 46 " is the number which has the second lowest product of digits (24) and "frog" is the word with second lowest number of letters.

Step I : 28 action 46 frog 67 flatter 59 terrific 39 jam
Step II: 4628 action 67 flatter 59 terrific 39 jam frog

## Reference:

Step II : 822773 artist 55 fragment 68 wrinkle toy craft
Step III: 73822755 fragment 68 wrinkle toy craft artist

## Inference:

Here " 39 " is the number which has the third lowest product of digits (27) and "action" is the word with third lowest number of letters.

Step II: 4628 action 67 flatter 59 terrific 39 jam frog
Step III: 39462867 flatter 59 terrific jam frog action

## Reference:

Step III: 73822755 fragment 68 wrinkle toy craft artist
Step IV: 55738227 fragment 68 toy craft artist wrinkle

## Inference:

Here " 67 " is the number which has the fourth lowest product of digits (42) and "flatter" is the word with fourth lowest number of letters.

Step III: 39462867 flatter 59 terrific jam frog action

Step IV: 6739462859 terrific jam frog action flatter

## Reference:

Step IV: 55738227 fragment 68 toy craft artist wrinkle

Step V : 6855738227 toy craft artist wrinkle fragment

## Inference:

Here " 59 " is the number which has the fifth lowest product of digits (45) and "terrific" is the word with fifth lowest number of letters.

Step IV: 6739462859 terrific jam frog action flatter

Step V: 5967394628 jam frog action flatter terrific

## Final Output:

Input : action 46 frog 67 jam 28 flatter 59 terrific 39
Step I: 28 action 46 frog 67 flatter 59 terrific 39 jam
Step II: 4628 action 67 flatter 59 terrific 39 jam frog
Step III: 39462867 flatter 59 terrific jam frog action
Step IV: 6739462859 terrific jam frog action flatter
Step V: 5967394628 jam frog action flatter terrific

Answers :

1. Following the common explanation, we have
"flatter" is third to the left of 39 in step II.

Hence option B is correct.
2. Following the common explanation, we have
"terrific" is third to the right of 46 in step IV.

Hence option D is correct.
3. Following the common explanation, we have

11 is the difference between the second element from left end in step II and second element from right end in step I.

Hence option C is correct.
4. Following the common explanation, we have terrific is the only word towards the left of "jam" in step IV.

Hence option A is correct.
5. Following the common explanation, we have
' 28 ' comes exactly between 39 and frog in the final output.
Hence option B is correct.

## -' ' Smarkeeda

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