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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 : 27 82 craft 73 artist 55 fragment 68 wrinkle toy

Step II : 82 27 73 artist 55 fragment 68 wrinkle toy craft

Step III: 73 82 27 55 fragment 68 wrinkle toy craft artist

Step IV: 55 73 82 27 fragment 68 toy craft artist wrinkle

Step V : 68 55 73 82 27 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:

1	2	3	4	5
B	D	C	A	B



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The Question Bank



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 : 27 82 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 : 27 82 craft 73 artist 55 fragment 68 wrinkle toy

Step II : 82 27 73 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: 46 28 action 67 flatter 59 terrific 39 jam frog

Reference:

Step II : 82 27 73 artist 55 fragment 68 wrinkle toy craft

Step III: 73 82 27 55 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: 46 28 action 67 flatter 59 terrific 39 jam frog

Step III: 39 46 28 67 flatter 59 terrific jam frog action

Reference:

Step III: 73 82 27 55 fragment 68 wrinkle toy craft artist

Step IV: 55 73 82 27 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: 39 46 28 67 flatter 59 terrific jam frog action

Step IV: 67 39 46 28 59 terrific jam frog action flatter

Reference:

Step IV: 55 73 82 27 fragment 68 toy craft artist wrinkle

Step V : 68 55 73 82 27 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: 67 39 46 28 59 terrific jam frog action flatter

Step V: 59 67 39 46 28 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: 46 28 action 67 flatter 59 terrific 39 jam frog

Step III: 39 46 28 67 flatter 59 terrific jam frog action

Step IV: 67 39 46 28 59 terrific jam frog action flatter

Step V: 59 67 39 46 28 jam frog action flatter terrific

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.



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