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Sequential Output Tracing Quiz Questions for IBPS Clerk Mains, SBI Clerk Mains, IBPS PO Pre, SBI PO Pre, IBPS SO Pre & RRB Scale I Pre Exams.

Set No 19

Directions: A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input : tension 26 releases 18 because 71 you 5 watch movies 61 24
Step 1: because 5 tension 26 releases 18 71 you watch movies 61 24
Step 2: releases 18 because 5 tension 26 71 you watch movies 61 24
Step 3: movies 24 releases 18 because 5 tension 26 71 you watch 61
Step 4: tension 26 movies 24 releases 18 because 5 71 you watch 61
Step 5: you 61 tension 26 movies 24 releases 18 because 5 71 watch
Step 6: watch 71 you 61 tension 26 movies 24 releases 18 because 5

Find the different steps of output using the above mentioned logic for the following input.

Input: calcium 47 makes 56 body 70 more 21 strong glowing 92 10

Questions :

1. What is the average of the numbers between 'glowing' and 'makes' in step 2?

A. 46   B. 35   C. 21   D. 26   E. None of these

2. "makes 47 glowing 21 calcium 10 56 body 70 more strong 92" is which of the following steps?

A. Step 5   B. Step 4   C. Step 3   D. Step 2   E. None of these

3. In step 6, sum of the numbers which are third from the right end and sixth from the left end is equal to which of the following numbers?

A. 77   B. 126   C. 87   D. 91   E. None of these

4. Which of the following word/number is third to the right of fifth from the left of 'more' in step 3?

A. 56   B. body   C. 70   D. calcium   E. None of these

5. In which of the following steps "56 makes 47" is seen in the same sequence for the first time?

A. Step 2   B. Step 3   C. Step 4   D. Step 6   E. None of these

Correct Answers:

1	2	3	4	5
D	C	A	B	C

Common Explanations:

The given output is obtained by following the below mentioned logic.

Change in Word- The words are arranged to the left most end of each step on the basis of number of vowels in the word. The word having highest number of vowels is considered first for the rearrangement. If more than one word is having same number of vowels , then the preference will be given to the word that comes first as per the dictionary order.

Change in Number- The number is placed in lowest to highest order after the word at extreme left end. First the lowest number is placed then the second highest and then so on.

Note- Changes in word and number takes place simultaneously at each step. Numbers are placed immediately after the word.

Reference:
Input : tension 26 releases 18 because 71 you 5 watch movies 61 24
Step 1: because 5 tension 26 releases 18 71 you watch movies 61 24

S. No.	Word	No. of vowels	Order of preference
1	tension	3	4th
2	releases	4	2nd
3	because	4	1st
4	you	2	5th
5	watch	1	6th
6	movies	3	3rd

Inference:
On the basis of our reference and logic following tables shows the order of preference of words and numbers are arranged as per ascending order i.e. lowest to highest.

S. No.	Word	No. of vowels	Order of preference
1	calcium	3	1st
2	makes	2	3rd
3	body	1	5th
4	more	2	4th
5	strong	1	6th
6	glowing	2	2nd

Input   : calcium 47 makes 56 body 70 more 21 strong glowing 92 10
Step 1 :calcium 10 47 makes 56 body 70 more 21 strong glowing 92

Reference:
Step 1: because 5 tension 26 releases 18 71 you watch movies 61 24
Step 2: releases 18 because 5 tension 26 71 you watch movies 61 24

Inference:
As per the above mentioned logic, arrangement looks like as follows-

Step 1 : calcium 10 47 makes 56 body 70 more 21 strong glowing 92
Step 2 : glowing 21 calcium 10 47 makes 56 body 70 more strong 92

Reference:
Step 2: releases 18 because 5 tension 26 71 you watch movies 61 24
Step 3: movies 24 releases 18 because 5 tension 26 71 you watch 61

Inference:
As per the above mentioned logic, arrangement looks like as follows-

Step 2 : glowing 21 calcium 10 47 makes 56 body 70 more strong 92
Step 3 : makes 47 glowing 21 calcium 10 56 body 70 more strong 92

Reference:
Step 3: movies 24 releases 18 because 5 tension 26 71 you watch 61
Step 4: tension 26 movies 24 releases 18 because 5 71 you watch 61

Inference:
As per the above mentioned logic, arrangement looks like as follows-

Step 3 : makes 47 glowing 21 calcium 10 56 body 70 more strong 92
Step 4 : more 56 makes 47 glowing 21 calcium 10 body 70 strong 92

Reference:
Step 4: tension 26 movies 24 releases 18 because 5 71 you watch 61
Step 5: you 61 tension 26 movies 24 releases 18 because 5 71 watch

Inference:
As per the above mentioned logic, arrangement looks like as follows-
Step 4 :more 56 makes 47 glowing 21 calcium 10 body 70 strong 92
Step 5 :body 70 more 56 makes 47 glowing 21 calcium 10 strong 92

Reference:
Step 5: you 61 tension 26 movies 24 releases 18 because 5 71 watch
Step 6: watch 71 you 61 tension 26 movies 24 releases 18 because 5

Inference:
As per the above mentioned logic, arrangement looks like as follows-
Step 5 :body 70 more 56 makes 47 glowing 21 calcium 10 strong 92
Step 6: strong 92 body 70 more 56 makes 47 glowing 21 calcium 10

Answers :

1. From the following explanation we get to know that the numbers between 'glowing' and 'makes' in step 2 are 21,10 and 47.

Required average = (21 + 10 + 47)/3 = 26.

Step 2 : glowing 21 calcium 10 47 makes 56 body 70 more strong 92

Hence option D is the correct answer.

2. From the following explanation we get to know that "makes 47 glowing 21 calcium 10 56 body 70 more strong 92" is step 3.

Step 3 :makes 47 glowing 21 calcium 10 56 body 70 more strong 92

Hence option C is the correct answer.

3. From the following explanation we get to know that in step 6,the number sixth from the left end is 56 and third from the right end is 21.

Required sum = 56 + 21 = 77

Hence option A is the correct answer.

4. From the following explanation we get to know that in step 3 "body" is third to the right of fifth to the left of 'more'.

Step 3 :makes 47 glowing 21 calcium 10 56 **body** 70 more strong 92

Hence option B is the correct answer.

5. From the following explanation we get to know that in step 4 "56 makes 47" is seen in the same sequence for the first time.

Step 4 :more **56 makes 47** glowing 21 calcium 10 body 70 strong 92

Hence option C is the correct answer.