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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 18**

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

Input: live 26 life 19 king 38 size 42 aim 67 my 71  
Step 1 67 live 26 life 19 king 38 size 42 my 71 aim  
Step 2 38 67 live 26 life 19 size 42 my 71 aim king  
Step 3 26 38 67 live 19 size 42 my 71 aim king life  
Step 4 19 26 38 67 size 42 my 71 aim king life live  
Step 5 42 19 26 38 67 size 71 aim king life live my  
Step 6 71 42 19 26 38 67 aim king life live my size

Step 6 is the last step of the above input as per rules followed in the above steps.

Following is the input which needs to be rearranged as per the above logic.

Input: dream 25 dare 64 enjoy 18 smile 23 spread 47 joy 70

## **Questions :**

**1. Which of the following is second to the left of fourth to the right of '64' in step 1?**

- A. smile      B. 23      C. 18      D. joy      E. None of these

**2. Which of the following is third to the left of fifth element from the right end in step 6?**

- A. 64      B. 23      C. 47      D. dare      E. None of these

**3. Which of the following steps is "25 64 47 18 smile 23 spread joy 70 dare dream enjoy"?**

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

**4. In which of the following steps "spread 70 dare" is seen in the same sequence for the first time?**

- A. Step 1      B. Step 2      C. Step 3      D. Step 4      E. None of these

**5. In step 5, which of the following is exactly between '47' and 'joy'?**

- A. 70      B. dare      C. dream      D. enjoy      E. None of these

**Correct Answers:**

1	2	3	4	5
C	A	C	D	B

**Common Explanations:****Final Output-**

Input: dream 25 dare 64 enjoy 18 smile 23 spread 47 joy 70  
Step 1 47 dream 25 64 enjoy 18 smile 23 spread joy 70 dare  
Step 2 64 47 25 enjoy 18 smile 23 spread joy 70 dare dream  
Step 3 25 64 47 18 smile 23 spread joy 70 dare dream enjoy  
Step 4 18 25 64 47 smile 23 spread 70 dare dream enjoy joy  
Step 5 23 18 25 64 47 spread 70 dare dream enjoy joy smile  
Step 6 70 23 18 25 64 47 dare dream enjoy joy smile spread

**Change in word:** The words are placed at the extreme right end as they appear in the dictionary i.e. the word that appears first in the dictionary will come first to the extreme left end of the step, then comes the second word as per dictionary order to the extreme right end and so on.

**Change in number:** The numbers are considered as per the product of their digits. The number with the highest product is chosen first and placed at the extreme left end , then the number with the second highest product is taken and placed at extreme left end and so on.

The operation is performed first on words and then on numbers but within the same step.

**Reference:**

Input: live 26 life 19 king 38 size 42 aim 67 my 71

Step 1 67 live 26 life 19 king 38 size 42 my 71 aim

**Inference:**

As the number with the highest product here is 47 so it will come to the extreme left end in step 1 and 'dare' will come first as per dictionary order, so it will be placed at extreme right end.

Input: dream 25 dare 64 enjoy 18 smile 23 spread 47 joy 70

Step 1 47 dream 25 64 enjoy 18 smile 23 spread joy 70 dare

**Reference:**

Step 1 67 live 26 life 19 king 38 size 42 my 71 aim

Step 2 38 67 live 26 life 19 size 42 my 71 aim king

**Inference:**

As the number with second highest product here is 64 so it will come to the extreme left end in step 2 and 'dream' will come second as per dictionary order, so it will be placed at extreme right end.

Step 1 47 dream 25 64 enjoy 18 smile 23 spread joy 70 dare  
Step 2 64 47 25 enjoy 18 smile 23 spread joy 70 dare dream

**Reference:**

Step 2 38 67 live 26 life 19 size 42 my 71 aim king  
Step 3 26 38 67 live 19 size 42 my 71 aim king life

**Inference:**

As the number with third highest product here is 25 so it will come to the extreme left end in step 3 and 'enjoy' will come fourth as per dictionary order, so it will be placed at extreme right end.

Step 2 64 47 25 enjoy 18 smile 23 spread joy 70 dare dream  
Step 3 25 64 47 18 smile 23 spread joy 70 dare dream enjoy

**Reference:**

Step 3 26 38 67 live 19 size 42 my 71 aim king life  
Step 4 19 26 38 67 size 42 my 71 aim king life live

**Inference:**

As the number with fourth highest product here is 18 so it will come to the extreme left end in step 4 and 'joy' will come fourth as per dictionary order, so it will be placed at extreme right end.

Step 3 25 64 47 18 smile 23 spread joy 70 dare dream enjoy  
Step 4 18 25 64 47 smile 23 spread 70 dare dream enjoy joy

**Reference:**

Step 4 19 26 38 67 size 42 my 71 aim king life live  
Step 5 42 19 26 38 67 size 71 aim king life live my

**Inference:**

As the number with fifth highest product here is 23 so it will come to the extreme left end in step 5 and 'smile' will come fifth as per dictionary order, so it will be placed at extreme right end.

Step 4 18 25 64 47 smile 23 spread 70 dare dream enjoy joy  
Step 5 23 18 25 64 47 spread 70 dare dream enjoy joy smile

**Reference:**

Step 5 42 19 26 38 67 size 71 aim king life live my  
Step 6 71 42 19 26 38 67 aim king life live my size

**Inference:**

As the number with the least product here is 70 so it will come to the extreme left end in step 6 and 'spread' will come sixth as per dictionary order, so it will be placed at extreme right end.

Step 5 23 18 25 64 47 spread 70 dare dream enjoy joy smile  
Step 6 70 23 18 25 64 47 dare dream enjoy joy smile spread

## Answers :

1. From the common explanation it is clear that 18 is second to the left of fourth to the right of '64' in step 1.

Step 1 47 dream 25 **64** enjoy **18** smile 23 spread joy 70 dare

Hence option C is the correct answer.

2. From the common explanation it is clear that 64 is third to the left of fifth element from the right end in step 6.

Step 6 70 23 18 25 **64** 47 dare dream enjoy joy smile spread

Hence option A is the correct answer.

3. From the following explanation it is clear that the given step is step 3 of the input.

Hence option C is correct.

4. From the common explanation it is clear that "spread 70 dare" is seen for the first time in the same sequence in step 4.

Step 4 18 25 64 47 smile 23 **spread 70 dare** dream enjoy joy

Hence option D is the correct answer.

5. From the following explanation it is clear that **dare** is exactly between '47' and 'joy' in step 5.

Step 5 23 18 25 64 **47** spread 70 **dare** dream enjoy **joy** smile

Hence option B is correct.



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