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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 167 live 26 life 19 king 38 size 42 my 71 aim
Step 23867 live 26 life 19 size 42 my 71 aim king
Step 3263867 live 19 size 42 my 71 aim king life
Step 419263867 size 42 my 71 aim king life live
Step 54219263867 size 71 aim king life live my
Step 6714219263867 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 $\mathbf{6 4} \mathbf{4 7 1 8}$ smile $\mathbf{2 3}$ 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:

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

## Common Explanations:

## Final Output-

Input: dream 25 dare 64 enjoy 18 smile 23 spread 47 joy 70
Step 147 dream 2564 enjoy 18 smile 23 spread joy 70 dare Step 2644725 enjoy 18 smile 23 spread joy 70 dare dream Step 325644718 smile 23 spread joy 70 dare dream enjoy Step 418256447 smile 23 spread 70 dare dream enjoy joy Step 52318256447 spread 70 dare dream enjoy joy smile Step 6702318256447 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 167 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 147 dream 2564 enjoy 18 smile 23 spread joy 70 dare

## Reference:

Step 167 live 26 life 19 king 38 size 42 my 71 aim
Step 23867 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 147 dream 2564 enjoy 18 smile 23 spread joy 70 dare Step 2644725 enjoy 18 smile 23 spread joy 70 dare dream

## Reference:

Step 23867 live 26 life 19 size 42 my 71 aim king
Step 3263867 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 2644725 enjoy 18 smile 23 spread joy 70 dare dream
Step 325644718 smile 23 spread joy 70 dare dream enjoy

## Reference:

Step 3263867 live 19 size 42 my 71 aim king life
Step 419263867 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 325644718 smile 23 spread joy 70 dare dream enjoy Step 418256447 smile 23 spread 70 dare dream enjoy joy

## Reference:

Step 419263867 size 42 my 71 aim king life live
Step 54219263867 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 418256447 smile 23 spread 70 dare dream enjoy joy
Step 52318256447 spread 70 dare dream enjoy joy smile

## Reference:

Step 54219263867 size 71 aim king life live my
Step 6714219263867 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 52318256447 spread 70 dare dream enjoy joy smile
Step 6702318256447 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 147 dream 2564 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 6702318256447 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 418256447 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 52318256447 spread 70 dare dream enjoy joy smile
Hence option B is correct.


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The Question Bank
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