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# Sequential Output Tracing Questions for SBI Clerk Mains, IBPS Clerk Mains, SBI PO Pre and IBPS PO Pre Exams.

## Set 40

Directions: A number and arrangement machine when arranges an input line of words and numbers rearranges them following a particular logic at each step. Below mentioned is an illustration of the same.

Input: drink 25 milk 38 daily 47

daily drink milk 25 38 47

25 11 11 10 24 28

milk drink 38 daily 47 25

drink milk daily 47 25 38

The above mentioned steps are the steps to get the final output but are not in the correct sequence. You have to arrange the steps as per the conditions given below.

- I. The step that starts with a word that has even number of letters is an odd numbered step.
- II. The step number of the step that starts as well as ends with a number is a perfect square.
- III. The step that ends with a prime number is below at least two steps.
- IV. The step that ends with a perfect square is not the second last step.

Find the different steps (in right order) for the input given below.

**Input: goods 32 import 58 46 value**

### Questions :

**1. Which element is third to the left of 58 in step 3?**

- A. import                      B. value                      C. 46                      D. 32                      E. None of these

**2. Which of the following elements is fourth from the right end in step 4?**

- A. 20                      B. 6                      C. 19                      D. 5                      E. 24

**3. Which of the following will come exactly between goods and import in step 2?**

A. value                      B. 32                      C. 46                      D. 58                      E. None of these

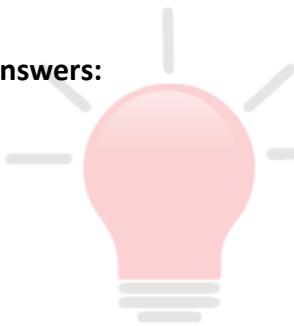
**4. Which of the following is on the immediate right of the fourth element from left end in step 2?**

A. goods                      B. 46                      C. 32                      D. 58                      E. None of these

**5. What is the sum of 3<sup>rd</sup> element from the left end and 2<sup>nd</sup> element from right end in step IV?**

A. 29                      B. 30                      C. 24                      D. 32                      E. None of these

**Correct Answers:**



<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
B	D	A	C	A

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**Common Explanations:**

**Reference:**

Input: drink 25 milk 38 daily 47

daily drink milk 25 38 47

25 11 11 10 24 28

milk drink 38 daily 47 25

drink milk daily 47 25 38

I. The step that starts with a word that has even number of letters is an odd numbered step.

II. The step number of the step that starts as well as ends with a number is a perfect square.

III. The step that ends with a prime number is below at least two steps.

IV. The step that ends with a perfect square is not the second last step.

**Inference:**

As per condition III, step "daily drink milk 25 38 47" could either be step 3 or step 4.

As per condition II, step "25 11 11 10 24 28" could either be step 1 or 4.

As per condition I, step "milk drink 38 daily 47 25" could either be step 1 or step 3, but as per condition IV, we can say that it is not step 3. Thus it will be step 1.

Thus we can say that step "25 11 11 10 24 28" is step 4.

With this it is confirmed that step "daily drink milk 25 38 47" is step 3.

So the remaining step "drink milk daily 47 25 38" will be step 2.

Input: drink 25 milk 38 daily 47

Step 1: milk drink 38 daily 47 25

Step 2: drink milk daily 47 25 38

Step 3: daily drink milk 25 38 47

Step 4: 25 11 11 10 24 28

**Change in words:** Words are rearranged at the extreme left end on the basis of reverse dictionary order.

**Change in numbers:** Numbers are rearranged at the extreme right end as per ascending order.

**Reference:**

Input: drink 25 milk 38 daily 47

Step 1: milk drink 38 daily 47 25

**Inference:**

Input: goods 32 import 58 46 value  
Step 1: value goods import 58 46 32

**Reference:**

Step 1: milk drink 38 daily 47 25  
Step 2: drink milk daily 47 25 38

**Inference:**

Step 1: value goods import 58 46 32  
Step 2: import value goods 58 32 46

**Reference:**

Step 2: drink milk daily 47 25 38  
Step 3: daily drink milk 25 38 47

**Inference:**

Step 2: import value goods 58 32 46  
Step 3: goods import value 32 46 58

**Reference:**

Step 3: daily drink milk 25 38 47  
Step 4: 25 11 11 10 24 28

**Inference:**

**The words are converted into the numerical value of their last letter considering A-Z as 1-26.  
The numbers are changed to the product of digits of the number in step 3.**

Step 3: goods import value 32 46 58  
Step 4: 19 20 5 6 24 40

**Final Output:**

Input: goods 32 import 58 46 value  
Step 1: value goods import 58 46 32  
Step 2: import value goods 58 32 46  
Step 3: goods import value 32 46 58  
Step 4: 19 20 5 6 24 40

**Answers :**

1. Following the common explanation, we have

'value' is third to the left of 58 in step 3.

Hence option B is correct.

**2.** Following the common explanation, we have

'5' is fourth from right end in step 4.

Hence option D is correct.

**3.** Following the common explanation, we have

value comes exactly between import and goods in step 2.

Hence option A is correct.

**4.** Following the common explanation, we have

32 is on the immediate right of the fourth element from left end in step 2.

Hence option C is correct.

**5.** Following the common explanation, we have

The sum of 3<sup>rd</sup> element from the left end and 2<sup>nd</sup> element from right end in step IV is  $5 + 24 = 29$

Hence, option A is correct.

