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

Set 41

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

Input: 36 64 27 72 91 28 86 65									
Step 1: 28 37 45 19 63 58 21									
Step 2: 65 82 64 82 121 79									
Step 3: 14 39 18									
Step 4: 3 288									
Step 5: 6									
Step 5 is the last step.									
On the basis of above illustration find the output and various steps for the input given below.									
Input: 23 46 87 64 72 35 98 12									
Questions : The Question Bank									
1.	1. What is the sum of the second highest and second lowest numbers of step 2?								
A. 124	B. 156	C. 145	D. 147	E. None of these					
2.	How many numbers in step 1 are fully divisible by 2?								
A. 1	В. 2	C. 3	D. None	E. None of these					
3.	What is the difference of the first and last numbers of step 3?								
A. 53	B. 83	C. 59	D. 71	E. None of these					
4.	Which of the following is the third number from left end in step 2?								
A. 31	B. 64	C. 45	D. 100	E. 69					
5.	. Find the odd one out?								
A. 8	B. 64	C. 24	D. 48	E. 120					

Correct Answers:

1	2	3	4	5
С	В	D	А	D





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Common Explanations:

Reference:

Input: 36 64 27 72 91 28 86 65

Step 1: 28 37 45 19 63 58 21

Inference:

Difference of two adjacent numbers of input is taken to for the numbers of step 1.

Input: 23 46 87 64 72 35 98 12

Step 1: 23 41 23 8 37 63 86

Reference:

Step 1: 28 37 45 19 63 58 21

Step 2: 65 82 64 82 121 79

Inference:

Sum of two adjacent numbers of Step 1 is taken to for the numbers of step 2.

Step 1: 23 41 23 8 37 63 86

The Question Bank

eda

Step 2: 64 64 31 45 100 149

Reference:

Step 2: 65 82 64 82 121 79

Step 3: 14 39 18

Inference:

Difference of first and sixth numbers from left end is taken to form the first number of step 3.

Then difference of second and fifth numbers from left end is taken to form the second number of step 3.

Then difference of third and fourth numbers from left end is taken to form the third number of step 3.

Step 2: 64 64 31 45 100 149

Step 3: 85 36 14 Reference: Step 3: 14 39 18

Step 4: 3 288

Inference:

Product of the tens digit of all the three numbers of step 3 is taken to form the first number of step 4.

Product of the unit digit of all the three numbers of step 3 is taken to form the second number of step 4.

Step 3: 85 36 14

Step 4: 24 120

Reference:

Step 4: 3 288

Step 5: 6

Inference:

Sum of the digits	of both the	numbers is taken	separately and	then greater	number	is divided b	y the smaller
number.				rt L/			

The Question Bank

Step 4: 24 120

Step 5: 2

Final output:

Input: 23 46 87 64 72 35 98 12

Step 1: 23 41 23 8 37 63 86

Step 2: 64 64 31 45 100 149

Step 3: 85 36 14

Step 4: 24 120

Step 5: 2

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Answers:

- Following the common explanation, we have
 The second highest and second lowest numbers of step 2 are 100 and 45.
 Required sum is 145.
 Hence option C is correct.
- 2. Following the common explanation, we have2 numbers in step 1 are fully divisible by 2.Hence option B is correct.
- **3.** Following the common explanation, we have First and last numbers of step 3 are 85 and 14

Required difference is 71.

Hence option D is correct.

Following the common explanation, we have Question Bank
31 is the third number from left end in step 2.
Hence option A is correct.

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5. Following the common explanation, we have

48 is the odd one out as 48 cannot be seen in any of the steps.

Hence option D is correct.

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