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

Set 49

Directions: A word and number arrangement machine when given an input line of word arranges them following a unique logic/mathematical operation at each step. The following is an illustration of the input and various steps to obtain the output.

Input : floating current boat swing stream and sail along

Step I : 16 14 8 10 12 6 8 10

Step II : 28 20 16 20

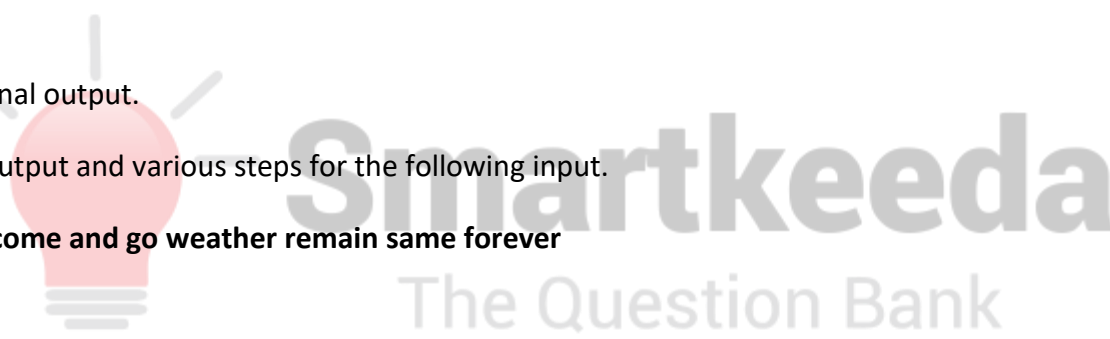
Step III: 8 4

Step IV: 4

Step IV is the final output.

Find the final output and various steps for the following input.

Input: season come and go weather remain same forever



Questions :

1. Which of the following values is the third multiple of the final output?

- A. 12 B. 15 C. 9 D. 6 E. None of these

2. Four of the following five are alike in a way and thus form a group. Which of the following does not belong to that group?

- A. 12 B. 13 C. 14 D. 20 E. 18

3. If in the given input 'and' is replaced by 'but', then which of the following value will change?

- A. 8 B. 4 C. 6 D. No change will happen E. None of these

4. What would be the resultant if second value from right end in step I is added with the second value from right end in step III?

- A. 14 B. 19 C. 20 D. 15 E. None of these

5. Find the values of step II, if the value of final output is subtracted from each number of step II?

A. 29 23 17 21

B. 25 23 11 15

C. 23 17 11 15

D. 22 18 10 16

E. None of these

Correct Answers:

1	2	3	4	5
C	B	D	A	C



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Common Explanations:

Reference:

Input : floating current boat swing stream and sail along

Step I : 16 14 8 10 12 6 8 10

Inference:

The words are changed to numbers on the basis of their number of letters. The logic performed here is : **Multiplication**.

The number of letters of each word is multiplied by 2 and written in the same order as their respective words are written from left to right.

For example: floating has 8 letters , so its respective numerical value will be 16.

Performing the above mentioned logic we get the following values for step I.

Input : season come and go weather remain same forever

Step I : 12 8 6 4 14 12 8 14

Reference:

Step I : 16 14 8 10 12 6 8 10

Step II : 28 20 16 20

Inference:

The numbers of step I are added in order to obtain the step II such that the first number from left end is added with the fifth number from left end, second number from left end with sixth number from left end and so on.

So, the logic performed is : **Addition**.

Performing the above mentioned logic we get the following values for step II.

Step I : 12 8 6 4 14 12 8 14

Step II : 26 20 14 18

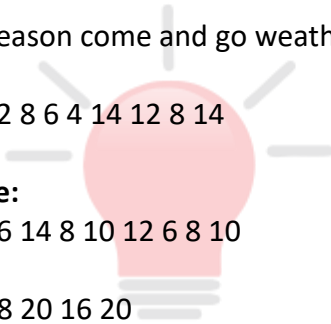
Reference:

Step II : 28 20 16 20

Step III: 8 4

Inference:

The difference of the numbers of step II is obtained such that the difference of first and second number from



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left end is taken. Then difference of third and fourth numbers is taken.

So, the logic performed is : **Subtraction**.

Performing the above mentioned logic we get the following values for step III.

Step II : 26 20 14 18

Step III: 6 4

Reference:

Step III: 8 4

Step IV: 4

Inference:

The greater number of step III is divided by the smaller number of step III and then the obtained dividend is doubled.

So, the logic performed is : **Division**.

Performing the above mentioned logic we get the following values for step III.

Step III: 6 4

Step IV: 3

Final Output:

Input : season come and go weather remain same forever

Step I : 12 8 6 4 14 12 8 14

Step II : 26 20 14 18

Step III: 6 4

Step IV: 3

Answers :

1. Following common explanation, we get that

9 is the third multiple of 3, which is the final output.

Hence option C is correct.

2. Following common explanation, we get that

13 is not among the given numbers, thus the odd one out.

Hence option B is correct.

3. Following common explanation we get that

If in the given input 'and' is replaced by 'but', then nothing will change because number of letters in 'and' and 'but' are same.

Hence option D is correct.

4. Following common explanation we get that

Second value from right end in step I is 8.

Second value from right end in step III is 6.

Required sum = 14.

Hence option A is correct.

5. Following the common explanation, we get that

Final output is 3, so after subtracting 3 from each value of step II, it will become:

23 17 11 15

Hence option C is correct.



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