



Friends!

We Used **Smartkeeda** and cracked Bank Exams

बैंक परीक्षाओं के लिए निश्चित रूप से

सर्वश्रेष्ठ मॉक टेस्ट सीरीज



SOUMYADIP BISWAS
IBPS PO 2023



DHAIRYA GAUR
RRB PO 2023



TIYASA ROY
IBPS CLERK & PO 2023



MD. SHABAN
IBSP PO & CLERK 2023



BHAVANA PADALIYA
IBPS CLERK & PO 2023



KAJOL WADHWANI
IBPS PO & CLERK 2023



ESHU SINGH
SBI PO 2023



SACHIN RAI
IBPS PO & CLERK 2023



SUDHEER JANGID
RRB CLERK 2023



VRINDA AGARWAL
SBI PO 2023



SHREYA MAHENDRA MOON
IBPS PO 2023



ANSH GULATI
IBPS PO & CLERK 2023
SBI PO & RRB CLERK 2023

It's Your Turn Now
Take A Free Mock Test

USE CODE

FEST24 for 10% OFF

Sequential Output Tracing Quiz Questions for LIC AAO, SBI PO Pre, IBPS PO Pre, IBPS Clerk Mains & SBI Clerk Mains Exams.

Set No 25

Directions: An alphanumeric machine accepts letters as input and delivers output in form of numbers through different steps. Each step is obtained by applying an operation different from the previous step. Each step gives output taking input from the previous step. Below mentioned is an illustration of the same.

Input: shady sun made weather pleasant to roam around

Step1: 8 6 6 10 10 4 6 8

Step2: 48 60 40 48

Step3: 12 8

Step4: 10

Step4 is the final output.

On the basis of above illustration find the output and different steps for the following input.

Input: early to bed keeps your mind fit robust

Questions :

1. What is the sum of the digits of the value that is obtained as final output?

- A. 4 B. 5 C. 6 D. 7 E. None of these

2. Which of the following is the difference between the sum of numbers that are greater than 7 and the sum of numbers that are less than 7 in step 1?

- A. 7 B. 5 C. 4 D. 6 E. None of these

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

- A. 36 – 6 B. 48 – 12 C. 32 – 4 D. 16 – 4 E. 42 – 14

4. Which of the following is the square of the sum of the digits of step 3?

- A. 100 B. 49 C. 64 D. 81 E. None of these

5. What is the sum of the numbers that are second from left end and second from right end in step 2?

A. 62

B. 84

C. 59

D. 75

E. 49

Correct Answers:

1	2	3	4	5
B	C	E	A	B

Common Explanations:

Each step is obtained by applying an **operation different from the previous step**.

Reference:

Input: shady sun made weather pleasant to roam around

Step1: 8 6 6 10 10 4 6 8

Inference:

Here the operation performed is : **Addition**.

Here, the conversion of letters to numbers is done by performing addition of certain numbers to the number of letters of each word. The numbers are to be written in the same order in which their respective words are written in the input.

Following the same logic, we can easily find the values of step 1.

- For 'your' number of letters are 4 so its respective number becomes $4 + 2 = 6$.
- For 'early', number of letters are 5 so its respective number becomes $5 + 3 = 8$.

Input: early to bed keeps your mind fit robust

Step1: 8 4 6 8 6 6 6 8

Reference:

Step1: 8 6 6 10 10 4 6 8

Step2: 48 60 40 48

Inference:

Here the mathematical operation performed is : **Multiplication.**

- To obtain the first value of step 2, product of first and second numbers (from left end) is taken.
- To get the second value of step 2, product of third and fourth numbers is taken.
- To acquire the third value of step 2, product of fifth and sixth numbers is taken.
- To identify the fourth value of step 2, product of seventh and eighth numbers is taken.

Following the same logic, we can easily find the values of step 2.

Step1: 8 4 6 8 6 6 6 8

Step2: 32 48 36 48

Reference:

Step2: 48 60 40 48

Step3: 12 8

Inference:

Here the operation performed is : **Subtraction.**

First value of step 3 is obtained by taking the difference of first and second numbers from left end.

Second value of step 3 is obtained by taking the difference of third and fourth numbers from left end.

Following the same logic, we can easily find the values of step 3.

Step2: 32 48 36 48

Step3: 16 12

Reference:

Step3: 12 8

Step4: 10

Inference:

Here the operation performed is : **Average.**

Average of both the numbers of step 3 is taken to obtain the value of step 4.

Following the same logic, the value of step 4 is $(16+12)/2 = 14$

Step3: 16 12

Step4: 14

Answers :

1. From the following explanation it is clear that the final output is 14 and sum of its digits is 5.

Hence, option B is the correct answer.

2. From the following explanation it is clear that the sum of numbers greater than 7 in step 1 are = $8 + 8 + 8 \Rightarrow 24$

Sum of the numbers less than 7 = $4 + 6 + 6 + 6 + 6 \Rightarrow 28$

Required difference = $28 - 24 \Rightarrow 4$

Hence, option C is the correct answer.

3. From the following explanation it is clear that in the pair "42 – 14" 42 is not among the given values, thus is the odd one out.

In rest of the options both the numbers of the pair are among the values of different steps of output.

Hence, option E is the correct answer.

4. From the following explanation it is clear that the sum of the digits of step 3 are $1 + 6 + 1 + 2 = 10$

Square of 10 = 100.

Hence, option A is the correct answer.

5. From the following explanation it is clear that sum of the second number from right end and second number from left end is $48 + 36 = 84$

Hence, option B is the correct answer.



Smartkeeda

The Question Bank

Presents

Testzone

India's Leading Test Series Platform

All Banks Exams
2024-25

12 Months Plan

@Just

Rs. **764**

To get 10% Off use code **FEST24**

- ✓ Brilliant Test Analysis
- ✓ Excellent Content
- ✓ Unmatched Explanation

Buy Now

