Q:1 Directions: Study the following data carefully and answer the given questions accordingly.

Input- 672 453 923 423 743 256

Step I- 256 423 453 672 743 923

Step II- 7 10 7 5 17 25

Step III- 48 99 48 24 288 624

Step IV- 82 97 82 40 880 424

Step V- 66

Step V is the last step of the above input. As per the rules followed, find out the steps of the input given below.

Input: 423 841 795 337 689 546

Find the odd one from the following.

1. 337 546

2. 97 5110

3. 10 46

4. 689 841

5. 26 4

Q:2 Directions: Study the following data carefully and answer the given questions accordingly.

Input- 672 453 923 423 743 256

Step I- 256 423 453 672 743 923

Step II- 7 10 7 5 17 25

Step III- 48 99 48 24 288 624

Step IV- 82 97 82 40 880 424

Step V- 66

Step V is the last step of the above input. As per the rules followed, find out the steps of the input given below.

Input: 423 841 795 337 689 546

Which of the following is fourth from the left in Step 2?

1. 546

2. 321

3. 46

4. 5110

5. None of these

Q:3 Directions: Study the following data carefully and answer the given questions accordingly.

Input- 672 453 923 423 743 256

Step I- 256 423 453 672 743 923

Step II- 7 10 7 5 17 25

Step III- 48 99 48 24 288 624

Step IV- 82 97 82 40 880 424

Step V- 66

Step V is the last step of the above input. As per the rules followed, find out the steps of the input given below.

Input: 423 841 795 337 689 546

Which of the following is step III?

1. 323 99 675 2125 675 15

2. 323 99 665 2115 675 15

3. 323 99 675 2115 675 16

4. 323 99 675 2115 675 15

5. None of these

Q:4 Directions: Study the following data carefully and answer the given questions accordingly.

Input- 672 453 923 423 743 256

Step I- 256 423 453 672 743 923

Step II- 7 10 7 5 17 25

Step III- 48 99 48 24 288 624

Step IV- 82 97 82 40 880 424

Step V- 66

Step V is the last step of the above input. As per the rules followed, find out the steps of the input given below.

Input: 423 841 795 337 689 546

What is the sum of the number which is second from the right end in step IV and the number which is third from the left end in step III?

1. 1190

2. 1249

3. 1397

4. 1232

5. None of these

Q:5 Directions: Study the following data carefully and answer the given questions accordingly.

Input- 672 453 923 423 743 256

Step I- 256 423 453 672 743 923

Step II- 7 10 7 5 17 25

Step III- 48 99 48 24 288 624

Step IV- 82 97 82 40 880 424

Step V- 66

Step V is the last step of the above input. As per the rules followed, find out the steps of the input given below.

Input: 423 841 795 337 689 546

What is the number in the last step?

1. 57

2. 71

3. 44

4. 67

5. None of these

1

Answer Key

1. (5)	2. (3)	3. (4)	4. (2)	5. (4)

Answers and Solutions

Q:1 The correct answer is **Option 5** i.e. **26 4**
Step I: Numbers are arranged in ascending order from the left to the right.
Step II: Middle digit is subtracted from the product of the first and last digit.
Step III: Each number is squared and 1 is subtracted.
Step IV: First and the last digits are interchanged and 2 is subtracted from the last digit. (If the last digit is less than 2 after interchange then it will only be interchanged)
Step V: Sum of all the digits.
Input: 423 841 795 337 689 546
Step I- 337 423 546 689 795 841
Step II- 18 10 26 46 26 4
Step III- 323 99 675 2115 675 15
Step IV- 321 97 574 5110 574 51
Step V- 67
Except, 26 4 all other options has one number between them.
Hence, the correct answer is **26 4**.

Q:2 The correct answer is **Option 2** i.e. **46**
Step I: Numbers are arranged in ascending order from the left to the right.
Step II: Middle digit is subtracted from the product of the first and last digit.
Step III: Each number is squared and 1 is subtracted.
Step IV: First and the last digits are interchanged and 2 is subtracted from the last digit. (If the last digit is less than 2 after interchange then it will only be interchanged)
Step V: Sum of all the digits.
Input: 423 841 795 337 689 546
Step I- 337 423 546 689 795 841
Step II- 18 10 26 46 26 4
Step III- 323 99 675 2115 675 15
Step IV- 321 97 574 5110 574 51
Step V- 67
Hence, the correct answer is **46**.

Q:3 The correct answer is **Option 4** i.e. **323 99 675 2115 675 15.**

Step I: Numbers are arranged in ascending order from the left to the right.
Step II: Middle digit is subtracted from the product of the first and last digit.
Step III: Each number is squared and 1 is subtracted.
Step IV: First and the last digits are interchanged and 2 is subtracted from the last digit. (If the last digit is less than 2 after interchange then it will only be interchanged)
Step V: Sum of all the digits.
Input: 423 841 795 337 689 546
Step I- 337 423 546 689 795 841
Step II- 18 10 26 46 26 4
Step III- 323 99 675 2115 675 15
Step IV- 321 97 574 5110 574 51
Step V- 67
Hence, the correct answer is **323 99 675 2115 675 15.**

Q:4 The correct answer is **Option 2** i.e. **1249.**
Step I: Numbers are arranged in ascending order from the left to the right.
Step II: Middle digit is subtracted from the product of the first and last digit.
Step III: Each number is squared and 1 is subtracted.
Step IV: First and the last digits are interchanged and 2 is subtracted from the last digit. (If the last digit is less than 2 after interchange then it will only be interchanged)
Step V: Sum of all the digits.
Input: 423 841 795 337 689 546
Step I- 337 423 546 689 795 841
Step II- 18 10 26 46 26 4
Step III- 323 99 675 2115 675 15
Step IV- 321 97 574 5110 574 51
Step V- 67
Hence, the correct answer is **1249.**

Q:5 The correct answer is **Option 4** i.e. **67**
Step I: Numbers are arranged in ascending order from the left to the right.
Step II: Middle digit is subtracted from the product of the first and last digit.
Step III: Each number is squared and 1 is subtracted.
Step IV: First and the last digits are interchanged and 2 is subtracted from the last digit. (If the last digit is less than 2 after interchange then it will only be interchanged)
Step V: Sum of all the digits.
Input: 423 841 795 337 689 546
Step I- 337 423 546 689 795 841
Step II- 18 10 26 46 26 4

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Step III- 323 99 675 2115 675 15
Step IV- 321 97 574 5110 574 51
Step V- 67
Hence, the correct answer is **67**.