Directions (Q. 1-5): Study the following information to answer the given questions:

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement. (All the numbers are two-digit numbers and all are arranged as per some logic based on the value of the number.)

Input: under 69 43 88 balls invite 54 tree 35 22 monkey colour

Step I: 88 69 43 balls invite 54 tree 35 22 monkey colour under

Step II: 22 88 69 43 balls invite 54 35 monkey colour under tree

Step III: 69 22 88 43 balls invite 54 35 colour under tree monkey

Step IV: 35 69 22 88 43 balls invite 54 colour under tree monkey

Step V: 54 35 69 22 88 43 balls under tree monkey invite colour

Step VI: 43 54 35 69 22 88 under tree monkey invite colour balls

Step VI is the last step of the above input.

As per the rules followed in the above steps, find out the appropriate steps for the given input and answer the questions given below.

Input: match 68 Australia win 29 17 held in 41 49 the 55

1). In which step the elements ‘41 win the’ found in the same order?
   a) Step V
   b) Step IV
   c) Step I
   d) Step II
   e) Step III

2). Which element is exactly between ‘68’ and ‘held’ in Step IV?
   a) 29
   b) Australia
   c) the
   d) match
   e) none of these

3). Which step number would be the following output?
   ‘49 29 55 17 68 Australia 41 win the match in held’
   a) There will be no such step.
   b) III
   c) II
   d) V
   e) IV

4). Which of the following would be step II?
   a) 68 match Australia 29 17 held in 41 49 the 55 win
   b) 41 49 29 55 17 68 win the match in held Australia
   c) 17 68 Australia match 29 in held 41 49 55 win the
   d) 49 29 55 17 68 41 win the match in held Australia
   e) None of these

5). Which word/number would be at seventh position from the left end in step IV?
   a) held
   b) Australia
   c) 41
   d) win
   e) 49
Directions (6-10): Study the following information to answer the given questions:

A word and number arrangement machine when given an input line of numbers rearranges them following a particular rule. The following is an illustration of input and re-arrangement.

Input: 57 18 25 88 96 34 19 48 77 66 29 54
Step I: 20 57 25 88 34 19 48 77 66 29 54 94
Step II: 21 20 57 25 34 48 77 66 29 54 94 86
Step III: 27 21 20 57 34 48 66 29 54 94 86 75
Step IV: 31 27 21 20 57 34 48 54 94 86 75 64
Step V: 36 31 27 21 20 48 54 94 86 75 64 55
Step VI: 50 36 31 27 21 20 94 86 75 64 55 52
And Step VI is the last step of the rearrangement of the above input.

As per the rules followed in the above steps, find out in each of the following questions the appropriate steps for the given input.

Input: 34 89 27 58 92 15 46 69 96 80

6) What is the sum of the number which is third from the right end and the number which is fourth from the left end in step 4?
   a) 130  
   b) 119  
   c) 107  
   d) 97  
   e) None of these

7) In which of the following step “58 69 94” were found in the same order?
   a) Step -1  
   b) Step -2  
   c) Step -3  
   d) Step -4  
   e) Step -5

8) What will be the resultant if the second number from the left end in step -2 is subtracted from fifth number from the right end in step -3?
   a) 54  
   b) 52  
   c) 67  
   d) 88  
   e) None of these

9) Which of the following number is third to the left of the number which ninth from the left end in last step?
   a) 17  
   b) 90  
   c) 94  
   d) 87  
   e) None of these

10) If the odd number is increased by 13 and even number is decreased by 15 in third step then what is the product of lowest and fourth lowest number of the newly formed series?
    a) 872  
    b) 972  
    c) 652  
    d) 986  
    e) 882
Directions (11 -15): Study the following information to answer the given questions
A number arrangement machine when given an input line of numbers rearranges them following a particular rule. The following is an illustration of input and re-arrangement.
As per the rules followed in the above steps, find out in each of the following questions the appropriate steps for the given input.

Input: 189 202 273 357 188 430 525 356
Step 1: 61 98 89 117 91 212 173 175
Step 2: 159 9 206 26 303 39 348
Step 3: 15 9 8 8 6 12 15
Step 4: 7.5 4.5 4 8 2 4 5
Step IV is the output of the above input.

11) Which of the following is the Square of the number which is fourth from the right end in the last step?
   a) 36  
   b) 72.25  
   c) 9  
   d) 16  
   e) None of these

12) What will be the Cube root of the resultant which is obtained by adding one with the third Number from the left end in step 2 and by multiplying the number by fourth element from the right end in step 3?
   a) 27  
   b) 9  
   c) 729  
   d) None of these  
   e) 8

13) If all the numbers in the step 3 are arranged in ascending order from left to right, then how many numbers are not changed from its previous position?
   a) One  
   b) Two  
   c) Three  
   d) None  
   e) More than Three

14) Which of the following element is Fifth to the right of the Number which is Seventh from the right end in step 4?
   a) 2  
   b) 12  
   c) None of these  
   d) 3  
   e) 8.5

15) What is the sum of second Highest and second lowest number in step 2?
   a) 366  
   b) 425  
   c) None of these  
   d) 396  
   e) 256
Directions (16-19): Study the following information carefully and answer the questions given below:

A machine rearrangement given an input line having words and numbers in a particular set of rules in step by step. The following is an illustration of input and its rearrangement.

**Input:** 71 temples bill 65 13 public democracy 37 supremes 81

**Step I:** bill 8 71 temples 65 public democracy 37 supremes 81

**Step II:** bill 8 public 16 temples 65 democracy 37 supremes 81

**Step III:** bill 8 public 16 temples 18 65 democracy 37 supreme

**Step IV:** bill 8 public 16 temples 18 supremes 20 65 democracy

**Step V:** bill 8 public 16 temples 18 supremes 20 democracy 22

As per rules followed in the given steps, find appropriate step for given Input.

**Input:** built 42 conflict 32 aware 59 movement 83 27 community

16) How many elements are there between ‘conflict’ and ‘83’ in step III?
   a) Four
   b) Two
   c) Three
   d) Five
   e) None of these

17) Which of the following element is fifth to the left of second from the right of 22 in step IV?
   a) 18
   b) Conflict
   c) built
   d) 10
   e) None of these

18) Which of the following element is immediate left of ‘59’ in step II?
   a) 59
   b) conflict
   c) built
   d) 10
   e) None of these

19) What is the sum of second element from the right end in step III and sixth element from the left end in step V?
   a) 108
   b) 111
   c) 110
   d) 101
   e) None of these
(Directions 20–23): A string of numbers is given as input. The further steps given are obtained by applying certain logic. Each step is a resultant of previous step only. Study the following information carefully and answer the questions given below it.

Input:

<table>
<thead>
<tr>
<th>3684</th>
<th>6537</th>
<th>8369</th>
<th>4976</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>27</td>
<td>54</td>
<td>39</td>
</tr>
<tr>
<td>27</td>
<td>45</td>
<td>09</td>
<td>72</td>
</tr>
<tr>
<td>54</td>
<td>36</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

As per above applied logic in above steps, find appropriate step for given input:

Input:

| 7389 | 4872 | 7982 | 7881 |

20) Who is the difference of highest to lowest number in step II?
   a) 33
   b) 9
   c) 48
   d) 24
   e) None of these

21) Which of the following will be the output in step IV?
   a) 12
   b) 23
   c) 21
   d) 19
   e) None of these

22) What will be resultant when highest number in step III is divided by lowest number is same step?
   a) 24
   b) 28
   c) 32
   d) 18
   e) None of these

23) What is the remained when highest number in step I is divided by lowest number in step II?
   a) 9
   b) 3
   c) 13
   d) 15
   e) None of these
(Directions 24–27): A string of numbers is given as input. The further steps given are obtained by applying certain logic. Each step is a resultant of previous step only. Study the following information carefully and answer the questions given below it.

Input:

<table>
<thead>
<tr>
<th></th>
<th>7864</th>
<th>2398</th>
<th>7649</th>
<th>6948</th>
</tr>
</thead>
<tbody>
<tr>
<td>Step I:</td>
<td>89</td>
<td>59</td>
<td>49</td>
<td>85</td>
</tr>
<tr>
<td>Step II:</td>
<td>17</td>
<td>56</td>
<td>65</td>
<td>39</td>
</tr>
<tr>
<td>Step III:</td>
<td>37</td>
<td>27</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Step IV:</td>
<td></td>
<td></td>
<td>05</td>
<td></td>
</tr>
</tbody>
</table>

As per above applied logic in above steps, find appropriate step for given input:

Input:

|    | 3689 | 9878 | 3289 | 2178 |

24) What will be the difference of highest to lowest number in step II?
   a) 21
   b) 28
   c) 39
   d) 32
   e) None of these

25) What will be the difference of square of digits of lowest number in step III?
   a) 15
   b) 55
   c) 21
   d) 9
   e) None of these

26) What will be the sum of digits of all numbers in step I?
   a) 54
   b) 23
   c) 46
   d) 28
   e) None of these

27) Which of the following is the final output in step IV?
   a) 45
   b) 36
   c) 74
   d) 81
   e) None of these
Directions (28-31): Study the following information carefully and answer the below questions.

A machine rearrange given input line having both words and numbers in a particular set of rules in step by step. The following is an illustration of input and its rearrangement.

**Input**: Have 64 Read Follow 29 36 Mind 31 25 Ground 35 Never 23 Twice 91 Year

**Step I**: Follow 35 Have 64 Read 29 36 Mind 31 25 Ground Never 23 Twice 91 Year

**Step II**: 23 Year Follow 35 Have 64 Read 29 36 Mind 31 25 Ground Never Twice 91

**Step III**: Ground 25 23 Year Follow 35 Have 64 Read 29 36 Mind 31 Never Twice 91

**Step IV**: 91 Twice Ground 25 23 Year Follow 35 Have 64 Read 29 36 Mind 31 Never

**Step V**: Have 29 91 Twice Ground 25 23 Year Follow 35 64 Read 36 Mind 31 Never

**Step VI**: 36 Read Have 29 91 Twice Ground 25 23 Year Follow 35 64 Mind 31 Never

**Step VII**: 31 Mind 36 Read Have 29 91 Twice Ground 25 23 Year Follow 35 64 Never

**Step VIII** is the last step of the above arrangement.

As per rules followed in the given steps, find appropriate step for given Input.

**Input**: High 81 Real 57 Dare 39 View 61 19 Find 16 Blow 51 Some 47 Kind

28) What is the position of 16 in step V from right end?
   a) Ninth  
   b) Sixth 
   c) Eleventh 
   d) Thirteenth 
   e) Eighth

29) Which of the following element is seventh from right end in step III?
   a) 81 
   b) Dare 
   c) 39 
   d) Real 
   e) None of these

30) Which step number would be the following output?
   a) 51 Dare Some 19 16 View Blow 39 High 81 Real 57 Kind 
   b) 81 Dare Some 39 19 View Blow 51 High 16 Real 57 61 Find 47 Kind 
   c) Find 47 51 Some Dare 16 19 View Blow 39 High 81 61 Real 57 Kind 
   d) 81 Dare Some 51 19 View Blow 39 High 16 Real 57 61 Find 47 Kind 
   e) None of these

Directions (32-36): Study the following information carefully and answer the questions given below:

A machine rearrangement given an input line having both words and numbers in a particular set of rules in step by step. The following is an illustration of input and its rearrangement.

**Input**: effective 27 curb 52 ministry 84 13 transport mobs 79 lynching 63

**Step I**: curb 4 effective 27 52 ministry 84 transport mobs 79 lynching 63

**Step II**: curb 4 effective 10 52 ministry 84 transport mobs 79 lynching 63

**Step III**: curb 4 effective 10 lynching 6 ministry 84 transport mobs 79 63

**Step IV**: curb 4 effective 10 lynching 6 mobs 18 ministry 84 transport 79
Step V: curb 4 effective 10 lynching 6 mobs 18 ministry 32 transport
Step VI: curb 4 effective 10 lynching 6 mobs 18 ministry 32 transport 24
Step VI is the last step of the above arrangement.
As per rules followed in the given steps, find appropriate step for given Input.
Input: submit journalist 73 achieve 64 17 campaign 48 receive demand 36 21

32). How many steps would be required to complete the above arrangement?
   a) Four
   b) Five
   c) Seven
   d) Six
   e) None of these

33). Which of the following element is fifth to the left of second from the right end in step IV?
   a) campaign
   b) 6
   c) receive
   d) demand
   e) None of these

34). Which of the following step number represents the maximum element between ‘achieve’ and ‘receive’?
   a) Step II
   b) Step I
   c) Step III
   d) Step IV

Directions (37-41): Study the following information carefully and answer the questions given below:
A machine rearrangement given an input line having both words and numbers in a particular set of rules in step by step. The following is an illustration of input and its rearrangement.

Input: provide 65 major 48 devastation 77 efforts 19 combination 89 aircraft
Step I: aircraft u 17 provide 65 major 48 devastation 77 efforts 19 combination 24
Step II: aircraft u 17 combination 14 provide 65 major 48 devastation efforts 19 24
Step III: aircraft u 17 combination 14 devastation 11 provide major 48 efforts 19 24
Step IV: aircraft u 17 combination 14 devastation 11 effort 12 provide major 19 24
Step V: aircraft u 17 combination 14 devastation 11 effort 12 oprovide 6 major 19
Step VI: aircraft u 17 combination 14 devastation 11 effort 12 oprovide 6 lmajor 10
Step VI is the last step of the above arrangement.
As per rules followed in the given steps, find appropriate step for given Input.
Input: division missile 82 surface 22 63 enhancement 13 user 48 34 advantage
37). Which of the following element is sixth to the left of third from the right of fourth element from the right end in step IV?
   a) enhancementst
   b) 12
   c) 7
   d) lmissile
   e) None of these

38). How many elements are there between ‘10’ and ‘13’ in step II?
   a) Four
   b) Five
   c) Six
   d) Seven
   e) None of these

39). If ‘advantagef’ is related to ‘missile’ in step I, ‘cdivision’ is related to ‘12’ in step V, in the same way which of the following element is related to ‘rsurface’ in last step?
   a) lmissile
   b) enhancementst
   c) 9
   d) 12
   e) None of these

40). How many steps would be required to complete the above arrangement?
   a) Four
   b) Six
   c) Seven
   d) Five
   e) None of these

41). Which of the following step represents the following output, “advantagef 10 cdivision 9 enhancementst12 missile surface 22 13 user 34”?
   a) Step IV
   b) Step V
   c) Step III
   d) Step II
   e) None of these

Directions (42 – 46): Study the following information carefully and answer the questions given below:
A number arrangement machine arranges two digit numbers into a typical manner. Each step is obtained by applying an operation different from the previous step. Each step gives output taking input from the previous step.

Using the above illustration, solve the following input:
42) What will be the final value obtained after solving the input?
   a) 73
   b) 77
   c) 84
   d) 75
   e) None of these

43) What would be the sum of the numbers obtained in step II?
   a) 65
   b) 92
   c) 87
   d) 68
   e) None of these

44) What would be the product of the numbers obtained in step III?
   a) 27
   b) 36
   c) 24
   d) 52
   e) None of these

45) What is the sum of first digit from left end in step III and the third number in the step I from left end?
   a) 12
   b) 15
   c) 85
   d) 84
   e) None of these

46) What is the product of second digit from right end in step II and the number formed in the last step?
   a) 365
   b) 475
   c) 385
   d) 455
   e) None of these

(Directions 47–50): A string of numbers is given as input. The further steps given are obtained by applying certain logic. Each step is a resultant of previous step only. Study the following information carefully and answer the questions given below it.
As per above applied logic in above steps, find appropriate step for given input:

Input:

```
3 6 2 7 4 5 6 8 3 5 6 9 8 4 6 5
```

47) What is sum of digits of lowest numbers obtained in step III?
   a) 12
   b) 7
   c) 9
   d) 13
   e) None of these

48) Which of the following number is second lowest in step I?
   a) 37
   b) 23
   c) 18
   d) 27
   e) None of these

49) What is the difference of square of number in step II?
   a) 440
   b) 388
   c) 240
   d) 360
   e) None of these

50) Which of the following number is belongs to step IV?
   a) 12
   b) 23
   c) 18
   d) 26
   e) None of these

**Explanation With Answers**

**Direction (1-5)**
The word and number arrangement machine rearranges the input with the logic that in step I, it shifts the largest number to the leftmost place and the last word coming in English alphabetical series to the rightmost place. In step II, it shifts the smallest number to the leftmost place and the next word (in reverse alphabetical order) to the rightmost. In step III 2nd largest number is shifted to the leftmost place and so on.

Input: match 68 Australia win 29 17 held in 41 49 the 55

Step I: 68 match Australia 29 17 held in 41 49 the 55 win
Step II: 17 68 match Australia 29 held in 41 49 55 win the
Step III: 55 17 68 Australia 29 held in 41 49 win the match
Step IV: 29 55 17 68 Australia held 41 49 win the match in

Step V: 49 29 55 17 68 Australia 41 win the match in held

Step VI: 41 49 29 55 17 68 win the match in held Australia

1). Answer is: A
2). Answer is: B
3). Answer is: D
4). Answer is: E
5). Answer is: C

**Directions (6-10):**
For step -1 lowest number is increased by 2 and it is arranged at left end and also highest number is decreased by 2 and it is arranged at right end
For step -2, Second lowest number is increased by 2 and it is arranged at left end and also Second highest number is decreased by 2 and it is arranged at right end and so on for remaining steps.

Input: 34 89 27 58 92 15 46 69 96 80

---

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Step I: 17 34 89 27 58 92 46 69 80 94
Step II: 29 17 34 89 58 46 69 80 94 90
Step III: 36 29 17 58 46 69 94 90 87 78
Step IV: 48 36 29 17 58 69 94 90 87 78
Step V: 60 48 36 29 17 94 90 87 78 67

6) Answer: C
Step 4 – 48 36 29 17 58 69 94 90 87 78
The sum of the number which is third from the right end and the number which is fourth from the left end in step 4 = 90+17 = 107

7) Answer: D
In step -4 58 69 94 appeared in the same sequence

8) Answer: B
Second number from the left end in step -2 – 17
Fifth number from the right end in step -3 – 69
69-17 =52

9) Answer: C
Step -5 (last step) – 58 48 36 29 17 94 90 87 78 67
94- Third to the left of the number which ninth from the left end in last step.

10) Answer: E
Odd number is increased by 13 and even number is decreased by 15 in third step

Directions (11 -15):

Input: 327 842 276 327 196 567 387 424

Step 1: Even number is divided by 2 and then subtract by 3, Odd number is divided by 3 and then subtract by 2
Step 2: +,−,+,+,+,−,+
Step 3: Sum of all the digits in each number.
Step 4: The first three numbers from left end is divided by 2 and the last three digits from the right end is divided by 3. The middle number is divided by one.

11) Answer: c)
12) Answer: b)
13) Answer: b)

14) Answer: a)
15) Answer: d)

Directions (16-19):
Words are arranged in ascending order with respect to number of letters count. Numbers are arranged in ascending order with respect to twice the sum of the digit.
Input: built 42 conflict 32 aware 59 movement 83 27 community
Step I: aware 10 builds 42 conflict 59 movement 83 27 community
Step II: aware 10 builds 12 conflict 59 movement 83 27 community
Step III: aware 10 builds 12 conflict 18 59 movement 83 community
Step IV: aware 10 builds 12 conflict 18 community 22 59 movement
Step V: aware 10 builds 12 conflict 18 community 22 movement 28

16) Answer: C
17) Answer: B
18) Answer: B
19) Answer: D

Directions (Q. 20-23):
We have:
Input:

\[
\begin{array}{cccc}
3684 & 6537 & 8369 & 4976 \\
\end{array}
\]

Step I: In this step following logic is applied:

\[
\begin{align*}
3684 & \rightarrow (3 \times 4) = 12 \\
& \rightarrow (6 \times 8) = 48 \\
& \rightarrow 36
\end{align*}
\]

Clearly, in step I result can be obtained from difference of results:
Result = (48 – 12) = 36

Step II: In this step following logic is applied:

\[
\begin{align*}
36 & \rightarrow (6^2 - 3^2 = 27) \\
& \rightarrow 27
\end{align*}
\]

Step III: In this step following logic is applied:

\[
\begin{align*}
27 & \rightarrow (2^2 + 4^2 = 20) \\
45 & \rightarrow (7^2 + 5^2 = 74) \\
& \rightarrow 54
\end{align*}
\]

Clearly, in step III result can be obtained from difference of results:
Result = (74 – 20) = 54

Step IV: In this step following logic is applied:

\[
\begin{align*}
54 & \rightarrow (5 \times 3) = 15 \\
36 & \rightarrow (4 \times 6) = 24 \\
& \rightarrow 9
\end{align*}
\]

Clearly, required difference = (72 – 24) = 48
Hence, option C is correct choice.

21). Answer: A
Explanation:
Clearly, 12 is the final output in step IV.
Hence, option A is correct choice.

22). Answer: B
Clearly, required number = 84/3 = 28
Hence, option B is correct choice.

23). Answer: E
Clearly, required remainder when 58 is divided by 24 → 10
Hence, option E is correct choice.

**Directions (24-27):**

We have:

**Input:**

```
7864 2398 7649 6948
```

Step I: In this step following logic is applied:

```
7864
(7^2 + 8^2 = 113) \quad (6 \times 4) = 24
89
```

Clearly, result in step I can be determined by resultant of above results.
Result = (113 – 24) = 89

Step II: In this step following logic is applied:

```
89
(9^2 – 8^2 = 17)
17
```

Clearly, in step II result can be determined by difference of square of digits.

Step III: In this step following logic is applied:

```
17
56
37
(1 \times 5 = 5)
```

Clearly, result in step III can be determined by difference of results.
Result = (42 – 5) = 37

Step IV: In this step following logic is applied:

```
37
27
(9 + 49 = 58)
05
```

Clearly, result in step IV can be determined by difference of results.
Thus, final output is,
Result = (58 – 53) = 05

From above logical steps we get following results for given input:

<table>
<thead>
<tr>
<th>Input</th>
<th>Step I</th>
<th>Step II</th>
<th>Step III</th>
<th>Step IV</th>
</tr>
</thead>
<tbody>
<tr>
<td>3689</td>
<td>27</td>
<td>45</td>
<td>31</td>
<td>07</td>
</tr>
<tr>
<td>9878</td>
<td>89</td>
<td>17</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>3289</td>
<td>59</td>
<td>56</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2178</td>
<td>51</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

24). Answer: C
Clearly, difference of highest to lowest number = (56 – 17) = 39
Hence, option C is correct choice.

25). Answer: A
Clearly, lowest number in step III = 14
Thus, required difference = (16 – 1) = 15
Hence, option A is correct choice.

26). Answer: C
Clearly, required sum = (2 + 7 + 8 + 9 + 5 + 9 + 5 + 1) = 46
Hence, option C is correct choice.

27). Answer: E
Clearly, desired output in step IV = 07
Hence, option E is correct choice.

**Directions (Q. 28-31):**

We have:

**Input:** Have 64 Read Follow 29 36 Mind 31 25 Ground 35 Never 23 Twice 91 Year

Clearly, machine rearranges one number and one word in each step.

For words arrangement: Words are arranged in alphabetical and reverse alphabetical order in each alternate step respectively as they appear in English Dictionary starting from left to right.
For numbers arrangement: there are three type of numbers are there in number series odd, prime and perfect square, each number type are rearranged in ascending order one by one in each step as follows:

**Step I:** Follow 35 Have 64 Read 29 36 Mind 31 25 Ground Never 23 Twice 91 Year
Thus, in step I, word that appears first in English dictionary followed by smallest odd number in extreme left end.

**Step II:** 23 Year Follow 35 Have 64 Read 29 36 Mind 31 25 Ground Never Twice 91
Thus, in step II, word that appears last in English dictionary preceded by smallest prime number in extreme left end.

**Step III:** Ground 25 23 Year Follow 35 Have 64 Read 29 36 Mind 31 25 Ground Never Twice 91
Thus, in step III, word that appears second in English dictionary followed by smallest perfect square number in extreme left end.

Hence, on given machine output we get following arrangement.

**Input:** High 81 Dare 39 View 51 61 19 Find 16 Real Blow Some 47 57 Kind

**Step I:** Blow 39 High 81 Dare View 51 61 19 Find 16 Real Some 47 57 Kind

**Step II:** 19 View Blow 39 High 81 Dare 51 61 Find 16 Real Some 47 57 Kind

**Step III:** Dare 16 19 View Blow 39 High 81 51 61 Find Real Some 47 57 Kind

**Step IV:** Some Dare 16 19 View Blow 39 High 81 61 Real 47 57 Kind

**Step V:** Find 47 51 Some Dare 16 19 View Blow 39 High 81 61 Real 57 Kind

**Step VI:** 12 achieve 12 demand 2 submit journalist 73 campaign 48 receive 36 21

**Step VII:** 51 Some Dare 16 19 View Blow 39 High 81 61 Real 47 57 Kind

**Step VIII:** 12 achieve 12 demand 2 submit journalist 73 campaign 48 receive 36 21

**Step VIII** is the last step of the above arrangement.

28). Answer: C
We have:

**Step V:** Real 4751 Dare Some 16 19 View Blow 39 High 81 57 61 Find Kind
Thus, 16 is eleventh from right end.
Hence, option C is correct choice.

29). Answer: E
We have:

**Step III:** Dare 16 19 View Blow 39 High 81 51 61 Find Real Some 47 57 Kind
Thus, 61 is seventh from right end.
Hence, option E is correct choice.

30). Answer: A
Explanation:
Clearly, given output represents step VI.
Hence, option A is correct choice.

31). Answer: C
We have:

**Step V:** Find 47 51 Some Dare 16 19 View Blow 39 High 81 61 Real 57 Kind

**Directions (32-36):**

Words are arranged in ascending order with respect to sum of the first and last letter in a word.
First three lowest number is arranged with respect to twice the difference between the two digits in a number and the last three numbers are arranged with respect to twice the sum of the two digits in a number.
Input: submit journalist 73 achieve 64 17 campaign 48 receive demand 36 21
Step I: 12 achieve 12 demand 2 submit journalist 73 campaign 48 receive 36 21
Step II: 12 achieve 12 demand 2 submit journalist 73 campaign 48 receive 36
Step III: 12 achieve 12 demand 2 campaign 6 submit journalist 73 64 48 receive
Step IV: 12 achieve 12 demand 2 campaign 6 receive 24 submit journalist 73 64
Step V: 12 achieve 12 demand 2 campaign 6 receive 24 journalist 20 submit 73
Step VI: 12 achieve 12 demand 2 campaign 6 receive 24 journalist 20 submit 20
32). Answer: D
33). Answer: B
34). Answer: C
35). Answer: B
36). Answer: D

Directions (37-41):
37). Answer: B
38). Answer: C
39). Answer: D
40). Answer: B
41). Answer: C

Words are arranged in ascending order and the numbers are arranged in descending order, add the two digits in each step.
If the word starts with a vowel, then add next letter to the last letter else add previous letter of the first letter.

Input: division missile 82 surface 22 63 enhancement 13 user 48 34 advantage

Step I: advantagef 10 division missile surface 22 63 enhancements 13 user 48 34
Step II: advantagef 10 cdision 9 missile surface 22 enhancements 13 user 48 34
Step III: advantagef 10 cdision 9 enhancements 12 missile surface 22 13 user 34
Step IV: advantagef 10 cdision 9 enhancements 12 missile 7 surface 22 13 user
Step V: advantagef 10 cdision 9 enhancements 12 missile 7 rsurface 4 13 user
Step VI: advantagef 10 cdision 9 enhancements 12 missile 7 rsurface 4 users 4

Directions (42 – 46):

42). Answer: A
43). Answer: B
44). Answer: C
45). Answer: D
46). Answer: A

Directions (Q. 47-50):
We have given input:

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From above logical steps we get following results for given input:

Step I: In this step following logic is applied:

\[
\begin{align*}
4^2 + 5^2 &= 41 \\
3^2 + 8^2 &= 73 \\
6^2 + 5^2 &= 69 \\
5^2 + 2^2 &= 29 \\
\end{align*}
\]

Final result can be determined by difference = \(73 - 41\) = 32

Step II: In this step following logic is applied:

\[
\begin{align*}
3^2 + 2^2 &= 13 \\
8^2 + 1^2 &= 65 \\
6^2 + 5^2 &= 69 \\
5^2 + 4^2 &= 41 \\
\end{align*}
\]

Final result can be determined by difference = \(65 - 13\) = 52

Step III: In this step following logic is applied:

\[
\begin{align*}
5^2 - 2^2 &= 21 \\
7^2 - 1^2 &= 48 \\
\end{align*}
\]

Final result can be determined by interchanging digits of result.

Step IV: In this step following logic is applied:

\[
\begin{align*}
4^1 &= 4 \\
8^2 &= 64 \\
\end{align*}
\]

Difference = \((16 - 4) = 12\).