

## Input Output Questions for SBI PO Prelims


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## Input Output Questions for SBI PO Prelims

### Input Output

**Directions: 1-5) Study the following information and the answer the questions based on the information given below:**

Input: trade 87 dance under 65 31 visit 12 Jupiter 56

Step I: visit trade dance under 65 31 12 Jupiter 56 87

Step II: visit dance trade under 31 12 Jupiter 56 87 65

Step III: visit dance Jupiter trade under 31 12 87 65 56

Step IV: visit dance Jupiter under trade 12 87 65 56 31

Step V: visit dance Jupiter under trade 87 65 56 31 12

Step VI: 20 5 18 18 5 87 65 56 31 12

Step VII: 2 5 9 9 5 6 2 2 4 3

Step VII is the last step

Input for the question: rupee 60 fruit juice 93 74 teeth 23 sad 86

**1) Which element is second to the left of third element from right end in step IV?**

- a. 86
- b. sad
- c. 93
- d. teeth
- e. rupee

**2) What is the sum of all the even numbers in penultimate step?**

- a. 168
- b. 250
- c. 287
- d. 212

e. 252

**3) What is the absolute difference in 3rd number from left end in step VI and 5th number from right end in step VII?**

- a. 2
- b. 5
- c. 8
- d. 7
- e. 3

**4) Which of the following is step III?**

- a. fruit rupee juice 60 teeth sad 93 86 74 23
- b. juice 60 teeth 23 sad 93 86 74 fruit rupee
- c. fruit rupee sad 93 86 74 juice 60 teeth 23
- d. fruit rupee juice 60 teeth 23 sad 93 86 74
- e. 93 86 74 fruit rupee juice 60 teeth 23 sad

**5) Which number is third to the right of fourth number from left end in step VI?**

- a. 60
- b. 23
- c. 20
- d. 74
- e. 86

**Directions: 6-10) A number and word arrangement machine when given an input line of numbers and words rearranges them following a particular rule in each step. The following is an illustration of an input rearrangement.**



## Input Output Questions for SBI PO Prelims

Input: sorted special system ship seal simple share  
sequence

Step I: eort aceip esty hi ae ilmp ahr ceenqu

Step II: 25 17 30 17 6 25 19 24

Step III: 125 85 120 85 24 125 95 96

Step IV: H1 M64 C1 M64 F4 H1 N81 O81

Step V: 9 23 4 23 10 9 23 24

Step VI: 81 25 16 25 1 81 25 36

Step VI is the final output of the above arrangement

Input: must most mexican moisture melt marvel marble  
mains

**6) How many steps are required to obtain the final output of the given input?**

- a. Four
- b. Five
- c. Six
- d. Seven
- e. None of these

**7) Which among the following is the final step of the given input?**

- a. 05 64 1 81 16 36 25 9
- b. 64 4 81 16 36 25 9 49
- c. 64 4 81 16 25 64 25 49
- d. 36 25 49 09 08 05 49 9
- e. None of these

**8) Which of the following element is fourth to the right of the third element from the left end in second last step of the given input?**

- a. 25

b. 09

c. 23

d. 28

e. None of the above

**9) How many even numbers are there in the last step?**

a. 1

b. 4

c. 5

d. 3

e. None of these

**10) How many elements are to the right of the '85' in step 3?**

a. 5

b. 6

c. 3

d. 4

e. None of these

**Directions: 11-15) Read the given information carefully and answer the questions.**

A four-letter word arrangement machine when given an input line of letters rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input: bold tire worm call flat goal gone

Step I: bold call flat goal gone tire worm

Step II: bdlo acll aflt aglo egno eirt morw

Step III: cemq cdmm cgmu chmq ghog gksu nqxx

Step IV: xsqn uskg umgc qohg qmhc qmec mmdc

Step V: 38sq 28sk 24mg 24oh 20mh 20me 16md





## Input Output Questions for SBI PO Prelims

Step V is the last step of the above input. As per rules followed in the above steps, find out in each of the given questions the appropriate steps for the given input.

Input for the question:

“kite boat open self mind xylo hope”

**11) Which word is 2nd from the right end in step II of the given input?**

- a. self
- b. ggmt
- c. qqig
- d. efls
- e. None of these

**12) What is the position of “ekno” in Step III of the given input?**

- a. 4th from the right
- b. 3rd from the left
- c. 2nd from the right
- d. There is not such word in the step III
- e. None of the above

**13) Which word is at the extreme right end in Step IV of the given input?**

- a. tmgg
- b. onke
- c. mqyz
- d. loxy
- e. None of the above

**14) \_\_\_\_ is at the extreme left end in the final step of the given input.**

- a. 24ig

b. 39yq

c. 24qc

d. 27mg

e. None of the above

**15) Sum of digits in the element, which is 2nd from the right end in the final step of the given input, is \_\_\_\_.**

a. 10

b. 6

c. 12

d. 9

e. None of the above

**Directions: 16-20) Study the given information and answer the questions based on it.**

A number arrangement machine when given an input line of numbers, rearranges them following a particular rule in the given example. The following is an illustration of input and rearrangement.

Input: 46 26 38 41 35 55 68 77 94 87

Step I: 32 38 52 74 84 29 41 49 71 97

Step II: 32 76 156 296 420 174 287 392 639 970

Step III: 64 108 188 328 452 206 319 424 671 1002

Step IV: 10 09 17 13 11 08 13 10 14 03

And step IV, is the last step of the given input, as per the rules followed in the steps given above, find out in each of the following questions the appropriate step for the given input.

Input for the question: 44 24 16 13 61 43 83 72 9637



## Input Output Questions for SBI PO Prelims

**16) What is the difference between the third number from the left end in step I and the 4th number from the right end in step IV?**

- a. 20
- b. 32
- c. 30
- d. 21
- e. 24

**17) Which of the following number is second number to the right of 3rd number from the left end in step III?**

- a. 410
- b. 378
- c. 242
- d. 324
- e. 420

**18) What is the position of 199 in step III?**

- a. 4th from the left end
- b. 3rd from the right end
- c. 2nd number to the left of 410
- d. 4th from the right end
- e. 2nd from left end

**19) Which of the following are the first 5 numbers of step II?**

- a. 10 34 120 58 124
- b. 10 68 120 232 400
- c. 10 68 120 234 400
- d. 10 64 120 232 410
- e. None of the above

**20) In which of the following step the numbers '124 199 386 685' will be found in the exact order?**

- a. Step I
- b. Step IV
- c. Both step I and step IV
- d. Step III
- e. Step II

**Directions: 21-25) Read the given information carefully and answer the questions.**

A three digits arrangement machine when given an input line of numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input: 478 359 728 682 519 853

Step I: 487 359 287 268 159 835

Step II: 159 268 287 359 487 835

Step III: 152 968 283 759 488 735

Step IV: 125 689 832 975 488 753

Step V: 11 78 14 44 68 22

Step VI: && &@ &@ @@ @@ @@

Step VI is the last step of the above input. As per rules followed in the above steps, find out in each of the given questions the appropriate steps for the given input.

Input for the question:

"732 651 347 568 867 479"

**21) Which word is 4th number from the right end in Step II of the given input?**

- a. 615
- b. 479



## Input Output Questions for SBI PO Prelims

- c. 951
- d. 467
- e. None of these

**22) There are \_\_\_\_ “@” in the last step of the given input?**

- a. Six
- b. Four
- c. Seven
- d. Eight
- e. None of these

**23) \_\_\_\_ is 1st number from the right end in Step III of the given input?**

- a. 875
- b. 687
- c. 785
- d. 686
- e. None of the above

**24) Absolute difference between the lowest and the highest number in step V of the given input is \_\_\_\_.**

- a. 30
- b. 32
- c. 40
- d. 42
- e. None of the above

**25) What is the position of “615” in Step I of the given input?**

- a. 2nd from the right
- b. 3rd from the left
- c. 4th from the left

d. There is no such number

e. 2nd from the left

**Directions: 26-30) Answer the questions based on the information given below.**

A five-digit number arrangement machine when given an input line of numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input: 47368 32579 63432 52168 73224

Step I: 28348 6563 1846 10148 2128

Step II: 1846 2128 6563 10148 28348

Step III: 118 112 812 212 322

Step IV: 337 331 731 131 511

Step V: 4 7 2 5 7

Step VI: 2 4 5 7 7

Step VII: 4 16 25 49 49

Step VII is the last step of the above input. As per rules followed in the above steps, find out in each of the given questions the appropriate steps for the given input.

Input:

“42347 24372 56246 85234 79874”

**26) In the penultimate step, which number is 4th from the right end of the given input?**

- a. 6
- b. 3
- c. 1
- d. 7
- e. None of the above



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**27) What is the sum of odd numbers in the VII step of the given input?**

- a. 118
- b. 125
- c. 140
- d. 151
- e. None of the above

**28) Which number is 3rd to the right of 4th number from right end in step II?**

- a. 63828
- b. 8328
- c. 40212
- d. 30224
- e. None of the above

**29) What is the absolute difference of the 4th number from right end in step III and 3rd number from the left end in step IV?**

- a. 210
- b. 301
- c. 250
- d. 261
- e. None of the above

**30) What is the sum of first and last number in step V?**

- a. 17
- b. 16
- c. 20
- d. 22
- e. None of the above

**Direction: 31-35) Study the following information carefully and answer the questions given below.**

A number arrangement machine, when given a particular input, rearranges it following a particular rule. The following is the illustration of the input and the steps of arrangement.

Input: fastest drive 73 turning 48 99 beast classic 24 86

Step I: bst fastest drive 73 turning 48 classic 24 86 09

Step II: clssc bst fastest drive 73 turning 48 24 09 07

Step III: drv clssc bst fastest turning 48 24 09 07 05

Step IV: fstst drv clssc bst turning 24 09 07 05 06

Step V: trnng fstst drv clssc bst 09 07 05 06 03

Step VI: uqomh gruru eqw dktrd cru 11 09 07 04 05

And Step VI is the last step of the rearrangement as the desired arrangement is obtained. As per the rules followed in the above steps, answer the following questions for the given input.

Input: teenage 57 drum smile 42 15 orange goose 82 62

**31) What is the sum of all the numbers in step V?**

- a. 19
- b. 11
- c. 17
- d. 20
- e. 21

**32) Which element is 3rd to the right of 5th element from right end in step IV?**

- a. sml
- b. teenage
- c. 04



## Input Output Questions for SBI PO Prelims

d. 06

e. rng

**33) Which of the following is the penultimate step?**

a. drm gf rng snl tng 05 04 06 03 03

b. tng sml rng gs 05 04 08 03 03 drm

c. drn gs rng sml tng 05 04 06 03 04

d. tng sml rng gs drm 05 04 06 03 03

e. sml rng gs drm teenage 57 42 15 orange 05 04

**34) What is the average of 3rd and 4th number from right end in step III?**

a. 10

b. 11

c. 09

d. 08

e. 12

**35) What is the step IV of the input?**

a. sml rng gs drm teenage 15 05 04 06 03

b. sml rng gs drm teenage 15 04 05 06 03

c. sml rng drm gs teenage 15 05 04 06 03

d. sml gs rng drm teenage 15 05 04 06 03

e. None of these

**Direction: 36-40) Study the following information carefully and answer the questions given below.**

A number arrangement machine, when given a particular input, rearranges it following a particular rule.

The following is the illustration of the input and the steps of arrangement.

Input: 45 19 79 84 95 15 56 24 82 72 83 58

Step I: 95 45 19 79 84 15 56 24 82 72 83 58

Step II: 95 45 19 79 15 56 24 82 72 83 58 84

Step III: 83 95 45 19 79 15 56 24 82 72 58 84

Step IV: 83 95 45 19 79 15 56 24 72 58 84 82

Step V: 89 32 47 40 65 83

Step VI: 32 40 47 65 83 89

Step VII: 28 36 52 70 88 94

And Step VII is the last step of the rearrangement as the desired arrangement is obtained. As per the rules followed in the above steps, answer the following questions for the given input.

Input: 58 34 97 12 28 41 88 68 11 57 25 75

**36) What is the difference of first and last number in step V?**

a. 10

b. 08

c. 12

d. 28

e. 31

**37) Which number is fourth to the right of sixth number from the right end in step III?**

a. 28

b. 12

c. 57

d. 68

e. 25

**38) What will be output of step IV?**

a. 97 58 34 12 28 41 88 68 11 57 25 75

b. 75 97 58 34 12 28 41 68 11 57 25 88

c. 75 97 58 34 12 28 41 11 57 25 88 68





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d. 97 58 34 28 12 41 11 57 25 88 68 75

e. 86 46 20 26 41 78

**39) What is the sum of all the numbers in the last step?**

a. 296

b. 251

c. 333

d. 282

e. 322

**40) What is the step IV of the input?**

a. 75 97 58 34 12 28 41 11 57 25 88 68

b. 75 97 12 58 34 28 41 11 57 25 88 68

c. 75 97 58 34 12 41 28 11 57 25 88 68

d. 75 97 58 34 28 12 41 11 57 25 88 68

e. None of these

**Direction: 41-45) Read the following information carefully and answer the given questions**

Input: 87 often 33 defined 11 historical 48 with 61 infatuation

Step I: with 87 often 33 defined historical 48 61 infatuation 11

Step II: often with 87 33 defined historical 48 infatuation 11 61

Step III: defined often with 87 historical 48 infatuation 11 61 33

Step IV: historical defined often with 87 infatuation 11 61 33 48

Step V: infatuation historical defined often with 11 61 33 48 87

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

Input: 47 aware 25 beautiful 23 dusky 39 talent 18 antique

**41) Which of the following term is exactly between the term which is first from the left and which is fourth from the right in the last step?**

a. 18

b. antique

c. talent

d. 25

e. dusky

**42) How many terms are there between 'talent' and 'antique' in step IV?**

a. Four

b. Three

c. Two

d. One

e. None

**43) What is the sum of the numbers which is fourth from the left end in step II and fourth from the right in the last step?**

a. 72

b. 64

c. 62

d. 48

e. 41



## Input Output Questions for SBI PO Prelims

**44) 18 is related to 23 in step I in the same way 25 is related to 39 in the step II then 47 is related to which of the following in step IV in the same way?**

- a. 39
- b. dusky
- c. beautiful
- d. 25
- e. talent

**45) What will be the output of the step II?**

- a. talent dusky 47 aware 25 beautiful 18 antique 23 39
- b. talent dusky aware 25 beautiful 39 18 antique 23 47
- c. dusky aware 25 beautiful 39 talent 18 antique 23 47
- d. dusky talent 47 aware beautiful 39 18 antique 23 25
- e. None of the given options is correct

**Direction: 46-50) Study the following information carefully and answer the questions given below.**

A number arrangement machine, when given a particular input, rearranges it following a particular rule. The following is the illustration of the input and the steps of arrangement.

Input: 87 decade horse 45 98 wisdom 56 shadow 22 right

Step I: wisdom 87 decade horse 45 56 shadow 22 right  
72

Step II: shadow wisdom decade horse 45 56 22 right 72  
56

Step III: right shadow wisdom decade horse 45 22 72 56  
30

Step IV: horse right shadow wisdom decade 22 72 56 30  
20

Step V: decade horse right shadow wisdom 72 56 30 20  
04

Step VI: edaced esroh thgir hsdawo iwdsmo 09 11 03 02  
04

And Step VI is the last step of the rearrangement as the desired arrangement is obtained. As per the rules followed in the above steps, answer the following questions for the given input.

Input: target razor 23 89 soul 73 depart 64 teams outpost  
99 52

**46) Which element is third to the right of fifth element from the right end in step V of given input?**

- a. 81
- b. 73
- c. 24
- d. Depart
- e. Outpost

**47) What is the difference in the 1st and 4th number from right end in step VII?**

- a. 12
- b. 03
- c. 10
- d. 18
- e. 20

**48) Which of the following is step IV of the given input?**

- a. teams soul razor 23 depart outpost 52 81 89 21 24  
target



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b. teams target 23 depart outpost 52 81 89 21 24 soul

razor

c. 81 89 soul razor teams target 23 depart outpost 52 21  
24

d. razor soul target teams 23 depart outpost 52 81 72 21  
24

e. 21 24 teams target soul razor 23 depart outpost 52 81  
89

**49) What is the sum of all the numbers in the last step?**

a. 38

b. 34

c. 50

d. 44

e. 40

**50) What is the number of steps required for final output?**

a. 8

b. 4

c. 5

d. 7

e. None of these

### Input Output – Answers and Explanation

1. b

2. e

3. a

4. d

5. e

#### Solution 1-5

From step I to step V: the words are arranged in reverse order of middle alphabets of the word from left to right.

Also, the numbers are arranged in decreasing order.

Step VI: the words are replaced by the numerical value of the last alphabet according to alphabetical series.

Step VII: the digits of numbers are added until a single digit is formed.

Input: rupee 60 fruit juice 93 74 teeth 23 sad 86

Step I: fruit rupee 60 juice 74 teeth 23 sad 86 93

Step II: fruit rupee 60 juice 74 teeth 23 sad 93 86

Step III: fruit rupee juice 60 teeth 23 sad 93 86 74

Step IV: fruit rupee juice teeth 23 sad 93 86 74 60

Step V: fruit rupee juice teeth sad 93 86 74 60 23

Step VI: 20 05 05 08 04 93 86 74 60 23

Step VII: 2 5 5 8 4 3 5 2 6 5

Step VII is the last step.

#### Answers

6. c

7. c

8. c

9. b

10. c

#### Solution 6-10

In the illustration, first the words are arranged and then the numbers



## Input Output Questions for SBI PO Prelims

Step I: Alphabets are arranged in an ascending order within the word, except first and last alphabets.

Step II: The alphabetic positions of the first and last alphabets is added.

Step III: Even number is multiplied by 4 and odd numbers are multiplied by 5.

Step IV: Alphabet with the place value equal to the sum of the alphabetic positions of all numbers, whereas the number denotes the perfect square of 1st digit from the left end.

Step V: Addition of the alphabetic position of alphabet and the number is written.

Step VI: Numbers are added and the square of that is written.

The final arrangement is as follows:

Input: must most mexican moisture melt marvel marble mains

Step I: su os aceix iorstu el aerv ablr ain

Step II: 40 34 25 30 17 23 19 15

Step III: 160 136 125 120 85 115 95 75

Step IV: G1 J1 H1 C1 M64 G1 N81 L49

Step V: 8 11 9 4 23 8 23 25

Step VI: 64 4 81 16 25 64 25 49

Step VI is the final output.

### Answers

11. d

12. a

13. b

14. b

15. b

### Solution 11-15

The rearrangement takes place in the following ways:

In Step I, all the words are written as per dictionary order.

In Step II, letters of the words are written in alphabetical order.

In Step III, all the vowels are replaced by their 2nd succeeding letters in the Alphabetical Series while all the consonants are replaced by their immediate succeeding letters in the Alphabetical Series.

In Step IV, all the letters are reversed and then, written in reverse dictionary order.

In Step V, sum of positions of 1st and last letters of the words (in alphabetical series) is written and no change is done in the 2nd and 3rd letters of the words.

Input: kite boat open self mind xylo hope

Step I: boat hope kite mind open self xylo

Step II: abot ehop eikt dimn enop efls loxy

Step III: ccqu giqq gklu ekno goqq ggmt mqyz

Step IV: zyqm uqcc ulkg tmgg qqog qqig onke

Step V: 39yq 24qc 28lk 27mg 24qo 24qi 20nk

### Answers

16. d

17. a

18. d

19. b

20. d

### Solution 16-20





## Input Output Questions for SBI PO Prelims

Step I: First subtract 3 from the odd numbers and arrange them in ascending order then add 3 to all even numbers then arrange them in ascending order.

Step II: Multiply the number appeared in step I by 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10 from the left side.

Step III: Add first number from the left side to each of the numbers given in step II such as in the given illustration first number is 32 so, add 32 in each of the numbers in step II.

Step IV: Sum of the digits of each number appeared in step III.

Input: 44 24 16 13 61 43 83 72 96 37

Step I: 10 34 40 58 80 19 27 47 75 99

Step II: 10 68 120 232 400 114 189 376 675 990

Step III: 20 78 130 242 410 124 199 386 685 1000

Step IV: 02 15 04 08 05 07 19 17 19 01

### Answers

21. b

22. d

23. e

24. c

25. e

### Solution 21-25

The rearrangement takes place in the following ways:

In Step I, even digits are written in increasing order followed by odd digits for every number.

In Step II, all the numbers are arranged in increasing order.

In Step III, for 1st and 2nd number from the left end, last digit of the 1st number is replaced by first digits of 2nd number; same is repeated with 3rd and 4th number. Similarly, with 5th and 6th number.

In Step IV, if a number is an even number, arrange its digit in increasing order. If a number is an odd number, arrange its digit in decreasing order.

In Step V, product of 2nd and 3rd digit is added to the 1st digit in every number.

In Step VI, odd digits are replaced by "&" and even digits are replaced by "@".

Input: 732 651 347 568 867 479

Step I: 237 615 437 685 687 479

Step II: 237 437 479 615 685 687

Step III: 234 737 476 915 686 587

Step IV: 234 773 467 951 668 875

Step V: 14 28 46 14 54 43

Step VI: &@ @@ @@ &@ &@ @&

### Answers

26. b

27. c

28. a

29. d

30. b

### Solution 26-30

The rearrangement takes place in the following ways:

In Step I, the 1st and 2nd digits are multiplied. The middle digit remained unchanged. The 2nd last and last digits are multiplied.



## Input Output Questions for SBI PO Prelims

In step II, the numbers are arranged in increasing order from left to right.

In step III, the odd digits within the number are added and arranged to the left of sum of even digits within the number.

In step IV, '2' is added to odd digits while '1' is subtracted from even digits.

In step V, digits of the number are added until a single digit is formed.

In step VI, the numbers are arranged in increasing order from left to right.

In step VII, the numbers are squared.

Input: 42347 24372 56246 85234 79874

Step I: 8328 8314 30224 40212 63828

Step II: 8314 8328 30224 40212 63828

Step III: 412 318 38 18 324

Step IV: 331 537 57 37 513

Step V: 7 6 3 1 9

Step VI: 1 3 6 7 9

Step VII: 1 9 36 49 81

### Answers

31. e

32. d

33. d

34. a

35. a

### Solution 31-35

The logic followed here is:

Step I - Step V: One Word and one number are arranged in each step. Every time a word in ascending order (A to Z) is arranged in the left end. In the words, only consonants of the word are used. Also, numbers are arranged in descending order in right end. First number is arranged and then the average of the digits of the number is obtained in the same step.

Step VI: The odd positioned letters are replaced by succeeding letters while even positioned by preceding letters from the left end. Odd numbers are increased by 2 while the even numbers decreased by 2.

The same process is followed till all the words and numbers are rearranged accordingly.

Input: teenage 57 drum smile 42 15 orange goose 82 62

Step I: drm teenage 57 smile 42 15 orange goose 62 05

Step II: gs drm teenage 57 smile 42 15 orange 05 04

Step III: rng gs drm teenage smile 42 15 05 04 06

Step IV: sml rng gs drm teenage 15 05 04 06 03

Step V: tng sml rng gs drm 05 04 06 03 03

Step VI: umh tlm smh hr eqn 07 02 04 05 05

So, step VI is the last step of the above arrangement.

### Answers

36. b

37. e

38. c

39. d

40. a

### Solution 36-40

The logic followed here is:



## Input Output Questions for SBI PO Prelims

Step I: The largest number is moved to the leftmost position of the input.

Step II: The second largest number is moved to rightmost position of the input.

Step III: The third largest number is moved to the leftmost position of the input.

Step IV: The fourth largest number is moved to rightmost position of the input

Step V: Taking a pair from the left-most side, average is calculated.

Step VI: The numbers are arranged ascending order from left end.

Step VII: Four is subtracted from the even number while five is added to odd number.

Input: 58 34 97 12 28 41 88 68 11 57 25 75

Step I: 97 58 34 12 28 41 88 68 11 57 25 75

Step II: 97 58 34 12 28 41 68 11 57 25 75 88

Step III: 75 97 58 34 12 28 41 68 11 57 25 88

Step IV: 75 97 58 34 12 28 41 11 57 25 88 68

Step V: 86 46 20 26 41 78

Step VI: 20 26 41 46 78 86

Step VII: 16 22 46 42 74 82

Step VII is the last step.

### Answers

41. c

42. d

43. a

44. d

45. b

### Solution 41-45

The logic is as follows:

In each step, one word in left and one number in right is arranged

Word arrangement – words are arranged in increasing number of vowels in the word.

Number arrangement – First arrange all prime numbers than other numbers as per numerical series.

Input: 47 aware 25 beautiful 23 dusky 39 talent 18 antique

Step I: dusky 47 aware 25 beautiful 39 talent 18 antique 23

Step II: talent dusky aware 25 beautiful 39 18 antique 23 47

Step III: aware talent dusky 25 beautiful 39 antique 23 47 18

Step IV: antique aware talent dusky beautiful 39 23 47 18 25

Step V: beautiful antique aware talent dusky 23 47 18 25 39

### Answers

46. c

47. b

48. d

49. b

50. d

### Solutions 46-50

The logic followed here is:



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Step I - Step V: One Word and one number are arranged in each step. Every time a letter in descending order (Z to A) is arranged in the left end. Also, numbers are arranged in descending order in right end. First number is arranged and then digit of number is multiplied in the same step.

Step VI: Words with even number of letters – letters are interchanged i.e. (1st and 2nd), (3rd and 4th) and so on. Words with odd number of letters – letters are arranged from last letter to first letter from left. Also, the digits of the numbers are added.

Input: target razor 23 89 soul 73 depart 64 team's outpost 99 52

Step I: teams target razor 23 89 soul 73 depart 64 outpost 52 81

Step II: target teams razor 23 soul 73 depart 64 outpost 52 81 72

Step III: soul target teams razor 23 depart 64 outpost 52 81 72 21

Step IV: razor soul target teams 23 depart outpost 52 81 72 21 24

Step V: outpost razor soul target teams 23 depart 81 72 21 24 10

Step VI: depart outpost razor soul target teams 81 72 21 24 10 06

Step VII: edaptr tsoptuo rozar oslu atgrte smaet 09 09 03 06 01 06

So, step VII is the last step of the rearrangement.

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