

<u>MACHINE INPUT – 2</u>

Study the following information carefully and answer the given questions.

A number arrangement machine arranges two digit numbers into a typical manner. Each step takes gives output taking input from the previous step. The following is an illustration of Input and rearrangement. Using the illustration answer the question given below.



a) 5 b) 1 c) 2

d) 3 e) None

- 2. If in the first step the first digit of every number is added and multiplied by 4 then which will be the resultant value?
 a) 56
 b) 60
 c) 52
 d) 48
 e) None
- 3. Which of the following combinations represent the first digit of the second value and the second digit of the first value in Step I of the given input?
 a) 1, 4
 b) 4, 8
 c) 8, 3
 d) 3, 8
 e) 3, 4
- 4. Which of the following represents the sum of the first digit of the second value and the second digit of the first value in Step II of the given input?
 a) 8 b) 7 c) 6 d) 4 e) 9
- 5. Which of the following represents the difference between the first value and the second value of Step III of the given input?
 a) 8 b) 3 c) 5 d) 4 e) 6

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- 6. If the value "6" is added to the final output then what will be the resultant value?a) 21 b) 23 c) 18
 - d) 24 e) None
- 7. If in the first step the second digit of every number is added and divided by 3 then which will be the resultant value?
 a) 5 b) 6 c) 2
 - d) 4 e) None
- 8. Which of the following combinations represent the first digit of the third value and the second digit of the first value in Step I of the given input?
 a) 5, 4 b) 4, 5 c) 5, 6 d) 6, 5 e) 4, 4
- 9. Which of the following represents the sum of the second digit of the second value and the first digit of the first value in Step II of the given input?
 a) 8 b) 7 c) 6 d) 2 e) 9
- 10. Which of the following represents the difference between the first value and the second value of Step III of the given input?
 a) 1 b) 2 c) 7 d) 4 e) 5

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A number arrangement machine arranges two digit numbers into a typical manner. Each step takes gives output taking input from the previous step. The following is an illustration of Input and rearrangement. Using the illustration answer the question given below.







- 11. If the value "5" is subtracted from the final output then what will be the resultant value?
 - a) -7 b) 3 c) -3
 - d) 4 e) None
- 12. If in the first step the first digit of every number is added and multiplied by 5 then which will be the resultant value?a) 50 b) 60 c) 55

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d)	65	e)	None

- 13. Which of the following combinations represent the first digit of the second value and the second digit of the first value in Step I of the given input?
 a) 6, 4 b) 4, 6 c) 6, 2 d) 2, 8 e) 2, 4
- 14. Which of the following represents the sum of the first digit of the second value and the second digit of the first value in Step II of the given input?
 a) 5 b) 2 c) 6 d) 4 e) 3
- 15. Which of the following represents the difference between the first value and the second value of Step II of the given input?
 - a) 8 b) 7 c) 9 d) 4 e) 6

Study the following information carefully and answer the given questions.

A number arrangement machine arranges two digit numbers into a typical manner. Each step takes gives output taking input from the previous step. The following is an illustration of Input and rearrangement. Using the illustration answer the question given below.

Example:



16. If the value "6" is added to the final output then what will be the resultant value?

a) 12	b) 18	c) 10
d) 11	e) None	

17. If in the first step the second digit of every number is added and divided by 2 then which will be the resultant value?a) 5 b) 6 c) 7 d) 4 e) None

- 18. Which of the following combinations represent the first digit of the third value and the second digit of the first value in Step I of the given input?
 a) 4, 1
 b) 1, 4
 c) 2, 6
 d) 4, 6
 e) 4, 4
- 19. Which of the following represents the sum of the second digit of the second value and the first digit of

the first value in Step II of the given input? a) 8 b) 7 c) 6 d) 4 e) 9

20. Which of the following represents the difference between the first value and the second value of Step III of the given input?
a) 1 b) 2 c) 0 d) 4 e) 5

Study the following information carefully and answer the given questions.

The following is an illustration of Input and rearrangement. Using the illustration answer the question given below.

Step-I: Interchange the Alphabets/Numbers(follow the same pattern as shown in Figure.)

Step-II:

- a) If both letters are Vowel and number is less than 6, then vowels change to next letter in English alphabetical series and add 2 to the number
- b) If both letters are consonant and number is greater than 6 or equal to, then consonants change to the previous letter in English alphabetical series and subtract 3 from the number
- c) If both letters are Vowel and number is greater than 6 or equal to, then vowels change to the previous letter in English alphabetical series and subtract 3 from the number
- d) If both letters are consonant and number is less than 6, then consonants change to next letter in English alphabetical series and add 3 to the number
- e) If there are one vowel and one consonant, then vowel change to next letter and consonant change to the previous letter and add 2 to the number.
- f) If there is single consonant, then consonant change to the previous letter and Subtract 3 from the number.
- g) If there is a single vowel, then vowel change to next letter and add 3 to the number.

Step-III: Follow Both Steps I and II

Example:







21. In Step III, what is the sum of numbers in the first row?

a) 15	b) 11	c) 12
d) 13	e) None	

21. In Step III, what is the difference between the sum of numbers in the first row and the sum of numbers in the third row?a) 5 b) 6 c) 3

a) J	0/0
d) 4	e) None

- 22. In Step II, what is the product of the sum of numbers in the first column and the sum of numbers in the third column?a) 245 b) 285 c) 275 d) 255 e) 235
- 23. In Step II, If the sum of the numbers in the third row is divided by the sum of numbers in the second row then what will be the resultant?
- a) 8 b) 7 c) 6 d) 4 e) 2
- 24. In Step I, which of the following letter/number occur more than twice?
 a) E b) U c) 7 d) 4 e) 8

Study the following information carefully and answer the given questions.

The following is an illustration of Input and rearrangement. Using the illustration answer the question given below.

Step-I: Interchange the Alphabets/Numbers (follow the same pattern as shown in Figure.)

Step-II:

- a) If both letters are Vowel and number is less than 5, then vowels change to next letter in English alphabetical series and add 2 to the number
- b) If both letters are consonant and number is greater than 5 or equal to, then consonants change to the previous letter in English alphabetical series and subtract 3 from the number
- c) If both letters are Vowel and number is greater than 5 or equal to, then vowels change to the previous letter in English alphabetical series and subtract 3 from the number
- d) If both letters are consonant and number is less than 5, then consonants change to next letter in English alphabetical series and add 3 to the number

- e) If there are one vowel and one consonant, then vowel change to next letter and consonant change to the previous letter and add 2 to the number.
- f) If there is single consonant, then consonant change to the previous letter and Subtract 3 from the number.
- g) If there is a single vowel, then vowel change to next letter and add 3 to the number.

Step II

F7

B7

C4

OQ7

TN2

Step-III: Follow Both Steps I and II









Input:



25. In Step III, what is the sum of numbers in the first row?

a) 5 b) 1 c) 2 d) 8 e) None

26. In Step III, what is the difference between the sum of numbers in the second row and the sum of numbers in the third row?

a) 5 b) 6 c) 1 d) 4 e) None

27. In Step II, what is the product of the sum of numbers in the first column and the sum of numbers in the third column?a) 218b) 288c) 278

a) 218	D) 288	C) 27
d) 256	e) 236	

- 28. If the sum of the numbers in the second column of Step I is divided by sum of the numbers in the second column of Step II then what will be the resultant?a) 8 b) 7 c) 6 d) 3 e) 1
- 29. In Step I, which of the following letter/number occur more than twice?

a) E b) K c) 7 d) 4 e) 8