

## BOOKS



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**Direction (1-3):** Study the following information carefully and answer the given questions.

A person walked for 3km, then took a right turn and walked 5km, then a left turn and walked 4km. and again took a right turn and walked 6km. He then took three consecutive left turns and walked 7 km, 15km and 4 km respectively.

**Q1.** If the person is now facing west direction, then in which direction did he started walking initially?

- (a) north
- (b) west
- (c) east
- (d) south
- (e) none of these

**Q2.** What is the shortest distance between the initial and final point of the person?

- (a)  $\sqrt{41}$
- (b)  $\sqrt{29}$
- (c)  $3\sqrt{43}$
- (d)  $2\sqrt{29}$
- (e) none of these

**Q3.** In which direction is the final point with respect to the 3<sup>rd</sup> turning point?

- (a) north east
- (b) north west
- (c) south east
- (d) south west
- (e) none of these

**Q4.** Shyam starts travelling in north direction from point A. After travelling 3km he reached point B. From there he takes a right turn and travel 6km. Then he reached point C and from there he turned towards left and walk 2km and reached point D. From there he turned towards left and after walking 3km, he finally stops at point E. What is the shortest distance between point E and point A?

- (a)  $\sqrt{32}$
- (b)  $\sqrt{34}$
- (c)  $3\sqrt{2}$
- (d)  $2\sqrt{3}$
- (e) None of these

**Q5.** Going 50km to the South from her house, Poonam turns left and goes another 20km. Then, turning to the North, she goes 30km and then starts walking to her house. In which direction is she walking now?

- (a) North-west
- (b) North
- (c) South-west
- (d) East
- (e) None of these



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**BILINGUAL**

**Directions (6-10):** Study the following information carefully and 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.

**Input:** 30 owl 56 raise 27 egg 23 still 20 holy 15 apple.

Step I: 20 30 owl 56 raise egg 23 still holy 15 apple 27.

Step II: holy 20 30 56 raise egg 23 still 15 apple 27 owl.

Step III: 30 holy 20 56 raise egg still 15 apple 27 owl 23.

Step IV: raise 30 holy 20 56 still 15 apple 27 owl 23 egg.

Step V: 56 raise 30 holy 20 still apple 27 owl 23 egg 15.

Step VI: still 56 raise 30 holy 20 27 owl 23 egg 15 apple.

Step VI is the last step of the above arrangement.

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:** call 40 37 ice land 50 25 under ape same 33 18 38 mango 21 open.

**Q6.** How many steps will be required to complete the above input?

- (a) Eight
- (b) Six
- (c) Five
- (d) Seven
- (e) None of these

**Q7.** In the seventh step of the rearrangement, 'call' is related to '38' and 'open' is related to '33' in a certain way. Which of the following would 'land' be related to, following the same pattern?

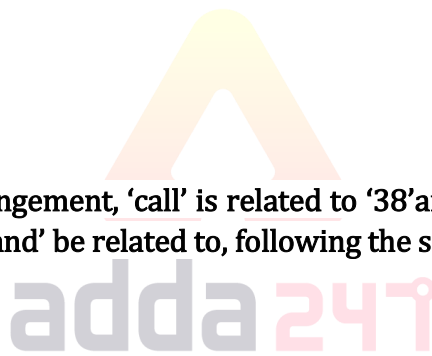
- (a) mango
- (b) ice
- (c) same
- (d) 40
- (e) 37

**Q8.** How many words and numbers are there between 'under' and '38' in the sixth step of the output?

- (a) Six
- (b) Three
- (c) Four
- (d) Five
- (e) Seven

**Q9.** In which step are the elements 'call 18 50 ape same 21' found in the same order?

- (a) Fifth
- (b) Seventh
- (c) Fourth
- (d) Sixth
- (e) There is no such step







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BILINGUAL



**Q10. Which of the following represents the position of '37' in the last but one step?**

- (a) Ninth from the left end
- (b) Tenth from the left end
- (c) Seventh from the right end
- (d) Sixth from the right end
- (e) Both (b) and (c)

**Directions (11-15): Study the following information carefully 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.

**Input: say to 12 by 29 all 71 same 53 81 above 61**

Step I: above say to by 29 all 71 same 53 81 61 12

Step II: above same say to by all 71 53 81 61 12 29

Step III: above same say all to by 71 81 61 12 29 53

Step IV: above same say all to by 71 81 12 29 53 61

Step V: above same say all to by 81 12 29 53 61 71

Step VI: above same say all to by 12 29 53 61 71 81

Step VI is the last step of the above input. Now, the following questions are based on the given input.

**Input: toy 18 till 24 36 is of never 87 99 cut 73**

**Q11. Which of the following will be the penultimate step?**

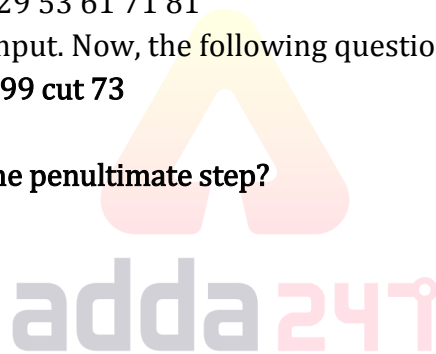
- (a) Step VI
- (b) Step V
- (c) Step IV
- (d) Step III
- (e) None of these

**Q12. What will be the position of 'is' in the last but one step?**

- (a) Seventh from the left
- (b) Sixth from the right
- (c) Sixth from the left
- (d) Fifth from the left
- (e) None of these

**Q13. Which word/number would be the fourth from the right end in Step IV?**

- (a) cut
- (b) 18
- (c) 24
- (d) 99
- (e) 73



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**BILINGUAL**

Q14. How many steps will be required to give the final output?

- (a) Five
- (b) Four
- (c) Six
- (d) Seven
- (e) Eight

Q15. Which step would give the following output: 'never till toy cut is of 87 99 73 18 24 36'?

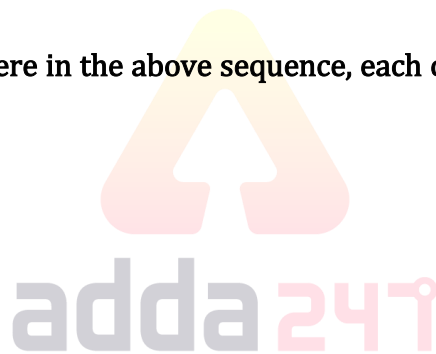
- (a) Step IV
- (b) Step III
- (c) Step II
- (d) Step V
- (e) There will be no such step

Directions (16-20): Read the following character sequence carefully and then answer the question given below it.

H \* @ L 9 S 8 \* 0 2 8 7 # @ 7 8 \* H 9 ( E P % 2 K 3 \* J 4 N 6 \*

Q16. How many such number are there in the above sequence, each of which is immediately preceded and immediately followed by a symbol?

- (a) One
- (b) Two
- (c) Three
- (d) None
- (e) None of these



Q17. If all the vowels are dropped in the given series then which element will be at 15th position from right end?

- (a) \*
- (b) L
- (c) 9
- (d) H
- (e) 8

Q18. Which of the following element is fifth to the left of sixteenth element from the left?

- (a) 6
- (b) H
- (c) 2
- (d) 0
- (e) 8



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Q19. How many such symbols are there in the above sequence, each of which is immediately preceded by a number and immediately followed by a number?

- (a) One
- (b) Two
- (c) Three
- (d) None
- (e) None of these

Q20. What will come in place of the question mark of the series?

H@9 808 #7\* ?

- (a) %E 9
- (b) 9E%
- (c) 8 # 9
- (d) 8 0 #
- (e) None of these

Directions (21-22): Study the following information carefully and answer the questions given below.

- (i) 'P × Q' means 'P is sister of Q'.
- (ii) 'P + Q' means 'P is mother of Q'.
- (iii) 'P - Q' means 'P is father of Q'.
- (iv) 'P ÷ Q' means 'P is brother of Q'.

Q21. Which of the following represents 'W is grandfather of H'?

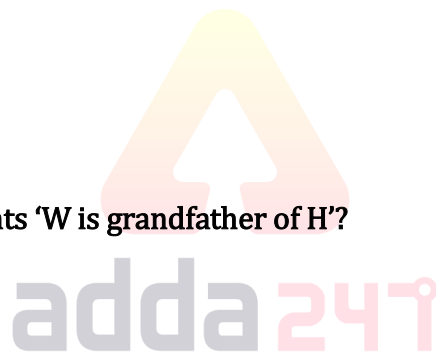
- (a) W + T - H
- (b) W ÷ T - H
- (c) W × T + H
- (d) W ÷ T + H
- (e) None of these

Q22. Which of the following represents 'R is the uncle of M'?

- (a) M ÷ T - R
- (b) R ÷ T - M
- (c) W × T + M × R
- (d) R ÷ T × M ÷ J
- (e) None of these

Directions (23-25): Study the following information and answer the questions given below:

- 'Q + R' means 'Q is father of R'
- 'Q ÷ R' means 'R is brother of Q'
- 'Q × R' means 'Q is husband of R'
- 'Q - R' means 'Q is sister of R'



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Q23. In the expression  $Q + R \times P - S \div T$ , how is S related to R?

- (a) Brother-in-law
- (b) Sister-in-law
- (c) Nephew
- (d) Brother
- (e) Can't be determined

Q24. In the expression  $Q + R - S + T \div M$ , how is M related to Q?

- (a) Son
- (b) Daughter
- (c) Grandson
- (d) Can't be determined
- (e) None of these

Q25. Which of the following expressions shows that K is sister of M?

- (a)  $J + K - L + N \div M$
- (b)  $J \times K - L \div N \div M$
- (c)  $J + L - K \div M + N$
- (d) Can't be determined
- (e) None of these

