STUDENT COPY · SET B

Class 5 · Reasoning Olympiad

Total questions	Total marks	Time	Negative marking
50	60	60 minutes	None

Name: _____ Class/Section: _____ Roll no: _____

Each question has four options, of which only one is correct. Mark your answer on the answer sheet. The Achievers Section carries higher marks per question. Your teacher has the answers.
This is original practice material written to the Level 1 pattern. It is not a past paper and is not affiliated with SOF or any official olympiad body.

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Logical Reasoning

45 questions · 1 mark each · 45 marks

Q1. In a queue, Suresh is 5th from the front and 4th from the back. How many people are in the queue altogether?

(A) 9 (B) 10 (C) 7 (D) 8

Q2. Which letter comes next? D, F, I, M, ___

(A) P (B) Q (C) R (D) S

Q3. A father is 28 years older than his son. The son is 15 years old now. How old will the father be after 7 years?

(A) 57 years (B) 51 years (C) 50 years (D) 43 years

Q4. All but one of these numbers are multiples of the same number. Find the one that is not: 36, 49, 72, 90, 99

(A) 49 (B) 99 (C) 36 (D) 72

Q5. Ravi walks 9 m north, then 6 m east, then 2 m south. Where is Ravi now, relative to the starting point?

(A) 7 m north and 7 m east (B) 8 m north and 6 m east

(C) 7 m north and 6 m east (D) 9 m north and 6 m east

Q6. In a class, 14 students play cricket, 24 play football and 10 play both games. Every student plays at least one of the two. How many students are there in the class?

(A) 29 (B) 18 (C) 38 (D) 28

Q7. Which letter comes next? A, E, I, M, ___

(A) Q (B) P (C) R (D) U

Q8. 9 : 81 :: 12 : ___

(A) 24 (B) 144 (C) 169 (D) 121

Q9. In a row of 18 children, Imran is 11th from the left end. What is Imran's position from the right end?

(A) 9th (B) 8th (C) 7th (D) 10th

Q10. In a certain code BUS is written as FYW. How is MAP written in that code?

(A) QET (B) RFU (C) TEQ (D) IWL

Q11. Riya walks 6 m towards north, turns right and walks 4 m, then turns right again and walks 6 m. How far is Riya from the starting point, and in which direction?

(A) 6 m, East (B) 4 m, West (C) 10 m, North (D) 4 m, East

Q12. In the first row the numbers are 5, 7 and 38. In the second row they are 6, 9 and 57. In the third row they are 6, 8 and ___ . The same rule applies to every row.

(A) 53 (B) 51 (C) 50 (D) 52

Q13. If the 8th of a month is a Monday, what day of the week is the 25th of the same month?

(A) Saturday (B) Wednesday (C) Friday (D) Thursday

Q14. Find the next number in the pattern: 4, 9, 19, 39, ___

(A) 80 (B) 77 (C) 79 (D) 78

Q15. In a queue, Nita is 12th from the front and 5th from the back. How many people are in the queue altogether?

(A) 15 (B) 16 (C) 18 (D) 17

Q16. Which of these figures has exactly 2 lines of symmetry?



(A) (B) (C) (D)

Q17. Which letter comes next? C, E, H, L, ___

(A) P (B) O (C) Q (D) R

Q18. A father is 29 years older than his son. The son is 5 years old now. How old will the father be after 3 years?

(A) 34 years (B) 37 years (C) 38 years (D) 40 years

Q19. All but one of these numbers are multiples of the same number. Find the one that is not: 19, 27, 45, 54, 63

(A) 27 (B) 19 (C) 63 (D) 54

Q20. In a class, 25 students play cricket, 21 play football and 10 play both games. Every student plays at least one of the two. How many students are there in the class?

(A) 46 (B) 26 (C) 36 (D) 37

Q21. If DOG is written as 4 - 15 - 7 using the positions of the letters in the alphabet, how is BUS written?

(A) 19 - 21 - 2 (B) 2 - 21 - 19 (C) 3 - 22 - 20 (D) 25 - 6 - 8

Q22. 8 : 64 :: 5 : ___

(A) 36 (B) 25 (C) 10 (D) 16

Q23. In a row of 19 children, Ravi is 10th from the left end. What is Ravi's position from the right end?

(A) 10th (B) 9th (C) 12th (D) 11th

Q24. In a certain code JAR is written as NEV. How is SUN written in that code?

(A) OQJ (B) RYW (C) WYR (D) XZS

Q25. Riya walks 6 m towards north, turns right and walks 8 m, then turns right again and walks 6 m. How far is Riya from the starting point, and in which direction?

(A) 8 m, West (B) 8 m, East (C) 14 m, North (D) 6 m, East

Q26. In the first row the numbers are 6, 4 and 40. In the second row they are 4, 7 and 23. In the third row they are 7, 9 and ___ . The same rule applies to every row.

(A) 58 (B) 60 (C) 59 (D) 57

Q27. If the 15th of a month is a Friday, what day of the week is the 28th of the same month?

(A) Thursday (B) Wednesday (C) Friday (D) Saturday

Q28. Pointing to a boy in a photograph, Vikram said, "This boy is not me, but he is the son of my paternal grandfather's only son." How is the boy related to Vikram?

(A) Nephew (B) Uncle (C) Cousin (D) Brother

Q29. Find the next number in the pattern: 3, 7, 15, 31, ___

(A) 62 (B) 64 (C) 61 (D) 63

Q30. In a queue, Deep is 7th from the front and 6th from the back. How many people are in the queue altogether?

(A) 12 (B) 14 (C) 13 (D) 11

Q31. Which of these figures has exactly 6 lines of symmetry?



(A) (B) (C) (D)

Q32. A father is 25 years older than his son. The son is 10 years old now. How old will the father be after 7 years?

(A) 35 years (B) 43 years (C) 49 years (D) 42 years

Q33. All but one of these numbers are multiples of the same number. Find the one that is not: 18, 24, 34, 48, 66

(A) 24 (B) 48 (C) 34 (D) 66

Q34. In a class, 19 students play cricket, 16 play football and 6 play both games. Every student plays at least one of the two. How many students are there in the class?

(A) 35 (B) 30 (C) 23 (D) 29

Q35. If JAR is written as 10 - 1 - 18 using the positions of the letters in the alphabet, how is SUN written?

(A) 14 - 21 - 19 (B) 20 - 22 - 15 (C) 19 - 21 - 14 (D) 8 - 6 - 13

Q36. Which letter comes next? J, L, N, P, ___

(A) S (B) T (C) Q (D) R

Q37. 4 : 16 :: 3 : ___

(A) 16 (B) 9 (C) 6 (D) 4

Q38. In a row of 29 children, Ravi is 25th from the left end. What is Ravi's position from the right end?

(A) 4th (B) 6th (C) 7th (D) 5th

Q39. In a certain code FAN is written as HCP. How is DOG written in that code?

(A) FQI (B) IQF (C) GRJ (D) BME

Q40. Kabir walks 8 m towards north, turns right and walks 3 m, then turns right again and walks 8 m. How far is Kabir from the starting point, and in which direction?

(A) 3 m, West (B) 8 m, East (C) 3 m, East (D) 11 m, North

Q41. In the first row the numbers are 7, 7 and 47. In the second row they are 2, 9 and 16. In the third row they are 4, 5 and ___ . The same rule applies to every row.

(A) 20 (B) 19 (C) 18 (D) 17

Q42. If the 10th of a month is a Wednesday, what day of the week is the 21st of the same month?

(A) Saturday (B) Monday (C) Sunday (D) Tuesday

Q43. Find the next number in the pattern: 2, 5, 11, 23, ___

(A) 47 (B) 45 (C) 48 (D) 46

Q44. In a queue, Suresh is 4th from the front and 9th from the back. How many people are in the queue altogether?

(A) 11 (B) 14 (C) 13 (D) 12

Q45. A father is 30 years older than his son. The son is 15 years old now. How old will the father be after 4 years?

(A) 50 years (B) 53 years (C) 49 years (D) 45 years

Achievers Section

5 questions · 3 marks each · 15 marks

Q46. Find the next number: 1, 3, 7, 13, 21, ___

(A) 31 (B) 33 (C) 29 (D) 32

Q47. If RING is coded as ULQJ, how is GATE coded?

(A) JDWH (B) DXQB (C) HWDJ (D) MGZK

Q48. If BOOK is coded as DQQM, how is GATE coded?

(A) ICVG (B) KEXI (C) GVCI (D) EYRC

Q49. Find the next number: 3, 5, 9, 15, 23, ___

(A) 34 (B) 31 (C) 33 (D) 35

Q50. If BOOK is coded as FSSO, how is GATE coded?

(A) OIBM (B) IXEK (C) CWPA (D) KEXI

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