STUDENT COPY · SET B

Class 6 · 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.
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Logical Reasoning

45 questions · 1 mark each · 45 marks

Q1. A father is 28 years older than his son. The son is 10 years old now. How old will the father be after 3 years?

(A) 44 years (B) 42 years (C) 38 years (D) 41 years

Q2. If FAN is written as 6 - 1 - 14 using the positions of the letters in the alphabet, how is PEN written?

(A) 11 - 22 - 13 (B) 16 - 5 - 14 (C) 17 - 6 - 15 (D) 14 - 5 - 16

Q3. In a queue, Nita is 8th from the front and 5th from the back. How many people are in the queue altogether?

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

Q4. In a class, 18 students play cricket, 15 play football and 7 play both games. Every student plays at least one of the two. How many students are there in the class?

(A) 19 (B) 27 (C) 33 (D) 26

Q5. In a certain code JAR is written as NEV. How is CAT written in that code?

(A) YWP (B) GEX (C) HFY (D) XEG

Q6. Riya walks 4 m towards north, turns right and walks 3 m, then turns right again and walks 4 m. How far is Riya from the starting point, and in which direction?

(A) 4 m, East (B) 7 m, North (C) 3 m, East (D) 3 m, West

Q7. All but one of these numbers are multiples of the same number. Find the one that is not: 12, 24, 50, 60, 66

(A) 60 (B) 66 (C) 50 (D) 12

Q8. Read the statements and choose the conclusion that MUST be true.
Every student in the class has a pencil. Rahul is a student in the class.

(A) Rahul has a pencil. (B) Some students have no pencil.

(C) Rahul has no pencil. (D) Only Rahul has a pencil.

Q9. If the 15th of a month is a Saturday, what day of the week is the 24th of the same month?

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

Q10. Find the next number in the pattern: 2, 5, 11, 23, ___

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

Q11. Which of these figures has exactly 6 lines of symmetry?



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

Q12. Pointing to a boy in a photograph, Rahul said, “This boy is not me, but he is the son of my paternal grandfather’s only son.” How is the boy related to Rahul?

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

Q13. In a row of 30 children, Tara is 5th from the left end. What is Tara’s position from the right end?

(A) 28th (B) 25th (C) 27th (D) 26th

Q14. Which letter comes next? C, E, H, L, ___

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

Q15. In the first row the numbers are 5, 3 and 17. In the second row they are 5, 8 and 42. In the third row they are 7, 9 and ___ . The same rule applies to every row.

(A) 65 (B) 66 (C) 64 (D) 67

Q16. Which letter comes next? D, G, J, M, ___

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

Q17. 3 : 9 :: 10 : ___

(A) 20 (B) 121 (C) 100 (D) 81

Q18. A father is 30 years older than his son. The son is 8 years old now. How old will the father be after 8 years?

(A) 54 years (B) 46 years (C) 47 years (D) 38 years

Q19. If RAT is written as 18 - 1 - 20 using the positions of the letters in the alphabet, how is CAT written?

(A) 3 - 1 - 20 (B) 20 - 1 - 3 (C) 4 - 2 - 21 (D) 24 - 26 - 7

Q20. In a queue, Farah is 7th from the front and 6th from the back. How many people are in the queue altogether?

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

Q21. In a class, 15 students play cricket, 21 play football and 8 play both games. Every student plays at least one of the two. How many students are there in the class?

(A) 20 (B) 36 (C) 28 (D) 29

Q22. Ravi walks 5 m north, then 3 m east, then 3 m south. Where is Ravi now, relative to the starting point?

(A) 5 m north and 3 m east (B) 2 m north and 4 m east

(C) 2 m north and 3 m east (D) 3 m north and 3 m east

Q23. In a certain code TIN is written as WLQ. How is CAT written in that code?

(A) ZXQ (B) GEX (C) FDW (D) WDF

Q24. Kabir walks 7 m towards north, turns right and walks 2 m, then turns right again and walks 7 m. How far is Kabir from the starting point, and in which direction?

(A) 2 m, East (B) 2 m, West (C) 9 m, North (D) 7 m, East

Q25. All but one of these numbers are multiples of the same number. Find the one that is not: 35, 42, 49, 76, 77

(A) 42 (B) 35 (C) 76 (D) 77

Q26. Read the statements and choose the conclusion that MUST be true.
All roses are flowers. All flowers need water.

(A) All flowers are roses. (B) All roses need water.

(C) Only roses need water. (D) Some roses do not need water.

Q27. If the 8th of a month is a Monday, what day of the week is the 24th of the same month?

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

Q28. In a row of 19 children, Imran is 14th from the left end. What is Imran's position from the right end?

(A) 6th (B) 7th (C) 5th (D) 8th

Q29. Which letter comes next? E, G, J, N, ___

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

Q30. In the first row the numbers are 7, 5 and 32. In the second row they are 8, 5 and 37. In the third row they are 8, 7 and ___ . The same rule applies to every row.

(A) 53 (B) 54 (C) 52 (D) 55

Q31. Which letter comes next? K, M, O, Q, ___

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

Q32. 7 : 49 :: 10 : ___

(A) 121 (B) 20 (C) 81 (D) 100

Q33. A father is 22 years older than his son. The son is 10 years old now. How old will the father be after 5 years?

(A) 32 years (B) 42 years (C) 38 years (D) 37 years

Q34. If TIN is written as 20 - 9 - 14 using the positions of the letters in the alphabet, how is SUN written?

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

Q35. In a queue, Deep is 7th from the front and 8th from the back. How many people are in the queue altogether?

(A) 16 (B) 13 (C) 15 (D) 14

Q36. In a class, 23 students play cricket, 18 play football and 8 play both games. Every student plays at least one of the two. How many students are there in the class?

(A) 34 (B) 41 (C) 33 (D) 25

Q37. Nila walks 9 m north, then 4 m east, then 8 m south. Where is Nila now, relative to the starting point?

(A) 1 m north and 5 m east (B) 2 m north and 4 m east

(C) 1 m north and 4 m east (D) 9 m north and 4 m east

Q38. In a certain code BUS is written as FYW. How is BAT written in that code?

(A) FEX (B) GFY (C) XWP (D) XEF

Q39. Anita walks 5 m towards north, turns right and walks 6 m, then turns right again and walks 5 m. How far is Anita from the starting point, and in which direction?

(A) 11 m, North (B) 6 m, West (C) 6 m, East (D) 5 m, East

Q40. All but one of these numbers are multiples of the same number. Find the one that is not: 8, 24, 28, 34, 44

(A) 28 (B) 34 (C) 24 (D) 8

Q41. If the 10th of a month is a Friday, what day of the week is the 23rd of the same month?

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

Q42. Which of these figures has exactly 2 lines of symmetry?



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

Q43. In a row of 32 children, Ravi is 7th from the left end. What is Ravi's position from the right end?

(A) 27th (B) 26th (C) 25th (D) 28th

Q44. Which letter comes next? F, H, K, O, ___

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

Q45. In the first row the numbers are 3, 6 and 15. In the second row they are 8, 8 and 72. In the third row they are 6, 5 and ___ . The same rule applies to every row.

(A) 41 (B) 42 (C) 40 (D) 43

Achievers Section

5 questions · 3 marks each · 15 marks

Q46. If LAMP is coded as QFRU, how is MILK coded?

(A) WSVU (B) HDGF (C) PQNR (D) RNQP

Q47. Find the next number: 2, 4, 8, 14, 22, ___

(A) 34 (B) 33 (C) 30 (D) 32

Q48. If FISH is coded as HKUJ, how is WIND coded?

(A) AMRH (B) FPKY (C) UGLB (D) YKPF

Q49. If BOOK is coded as FSSO, how is WIND coded?

(A) AMRH (B) SEJZ (C) HRMA (D) EQVL

Q50. Find the next number: 3, 5, 9, 15, 23, ___

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

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