STUDENT COPY · SET A

Class 4 · Reasoning Olympiad

Total questions	Total marks	Time	Negative marking
35	40	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

30 questions · 1 mark each · 30 marks

Q1. Kabir walks 9 m towards north, turns right and walks 8 m, then turns right again and walks 9 m. How far is Kabir from the starting point, and in which direction?

(A) 8 m, East (B) 17 m, North (C) 9 m, East (D) 8 m, West

Q2. Cow : Calf :: Dog : ___

(A) Cub (B) Puppy (C) Foal (D) Kitten

Q3. Which of these figures has exactly 6 lines of symmetry?



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

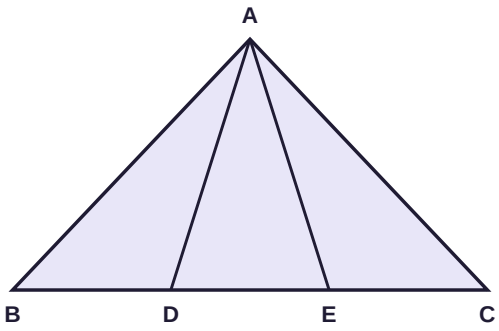
Q4. 3 : 9 :: 4 : ___

(A) 9 (B) 25 (C) 8 (D) 16

Q5. In a row of 19 children, Sana is 11th from the left end. What is Sana's position from the right end?

(A) 10th (B) 9th (C) 11th (D) 8th

Q6. How many triangles are there in the given figure?



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

Q7. Three of the following four are alike and form a group. Which one does NOT belong?

(A) Thar (B) Krishna (C) Ganga (D) Yamuna

Q8. Which one does NOT belong with the others?

(A) July (B) January (C) April (D) August

Q9. All but one of these numbers are multiples of the same number. Find the one that is not: 27, 36, 72, 90, 101

(A) 36 (B) 72 (C) 27 (D) 101

Q10. Which letter comes next? K, N, Q, T, ___

(A) W (B) X (C) V (D) Z

Q11. Which word would come FIRST in a dictionary?

(A) museum (B) mother (C) mango (D) maple

Q12. Which letter comes next? F, H, K, O, ___

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

Q13. Which number comes just after 164?

(A) 165 (B) 164 (C) 166 (D) 167

Q14. Pointing to a boy in a photograph, Meera said, “This boy is not me, but he is the son of my paternal grandfather’s only son.” How is the boy related to Meera?

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

Q15. In a certain code HAT is written as IBU. How is PEN written in that code?

(A) RGP (B) QFO (C) OFQ (D) ODM

Q16. 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) 8 - 6 - 13 (C) 20 - 22 - 15 (D) 19 - 21 - 14

Q17. If the 15th of a month is a Sunday, what day of the week is the 26th of the same month?

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

Q18. Five friends A, B, C, D and E sit in a row of five seats. A sits at the extreme left end, D sits at the extreme right end, C sits exactly in the middle and B sits between A and C. Who sits in the fourth seat from the left?

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

Q19. Find the next number in the pattern: 4, 9, 19, 39, ___

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

Q20. Arjun walks 8 m towards north, turns right and walks 2 m, then turns right again and walks 8 m. How far is Arjun from the starting point, and in which direction?

(A) 2 m, West (B) 10 m, North (C) 2 m, East (D) 8 m, East

Q21. Which of these figures has exactly 2 lines of symmetry?



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

Q22. 5 : 25 :: 3 : ___

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

Q23. In a row of 20 children, Sana is 13th from the left end. What is Sana's position from the right end?

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

Q24. In the first row the numbers are 5, 5 and 12. In the second row they are 6, 4 and 12. In the third row they are 5, 6 and ___ . The same rule applies to every row.

(A) 12 (B) 13 (C) 15 (D) 14

Q25. Which letter comes next? D, F, I, M, ___

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

Q26. Which number comes just after 1451?

(A) 1451 (B) 1454 (C) 1452 (D) 1453

Q27. In a certain code FAN is written as HCP. How is DOG written in that code?

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

Q28. If DOG is written as 4 - 15 - 7 using the positions of the letters in the alphabet, how is INK written?

(A) 11 - 14 - 9 (B) 9 - 14 - 11 (C) 18 - 13 - 16 (D) 10 - 15 - 12

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

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

Q30. Riya walks 9 m towards north, turns right and walks 4 m, then turns right again and walks 9 m. How far is Riya from the starting point, and in which direction?

(A) 9 m, East (B) 13 m, North (C) 4 m, West (D) 4 m, East

Achievers Section

5 questions · 2 marks each · 10 marks

Q31. Find the next number: 4, 6, 10, 16, 24, ___

(A) 36 (B) 35 (C) 34 (D) 32

Q32. Find the next number: 6, 8, 12, 18, 26, ___

(A) 38 (B) 34 (C) 37 (D) 36

Q33. Find the next number: 2, 4, 8, 14, 22, ___

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

Q34. Find the next number: 3, 5, 9, 15, 23, ___

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

Q35. Find the next number: 1, 3, 7, 13, 21, ___

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

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