

Class 2 · Reasoning Olympiad

Total questions 35	Total marks 40	Time 60 minutes	Negative marking None
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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. The answer key with full solutions is at the end of this paper.

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.

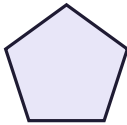
Logical Reasoning

30 questions · 1 mark each · 30 marks

Q1. Find the next number in the pattern: 3, 8, 13, 18, ____

- (A) 24 (B) 28 (C) 23 (D) 18

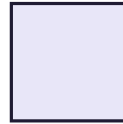
Q2. Which of these figures has exactly 2 lines of symmetry?



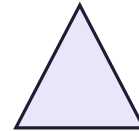
(A)



(B)



(C)



(D)

Q3. In a row of 20 children, Ravi is 15th from the left end. What is Ravi's position from the right end?

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

Q4. Which of these numbers is the smallest?

- (A) 1013 (B) 915 (C) 1073 (D) 345

Q5. Count forward in 3s: 3, 6, 9, 12, ____

- (A) 15 (B) 18 (C) 16 (D) 14

Q6. Count backward in 2s: 24, 22, 20, 18, ____

- (A) 18 (B) 14 (C) 16 (D) 17

Q7. Look at the pattern: square, star, square, star, square, ____ . Which shape comes next?

- (A) star (B) hexagon (C) square (D) oval

Q8. Which number comes just after 96?

- (A) 98 (B) 99 (C) 97 (D) 96

Q9. If today is Friday, what day is two days after today?

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

Q10. Find the next number in the pattern: 12, 17, 22, 27, ____

- (A) 33 (B) 37 (C) 27 (D) 32

Q11. In a row of 23 children, Tara is 17th from the left end. What is Tara's position from the right end?

- (A) 7th (B) 8th (C) 9th (D) 6th

Q12. Count forward in 2s: 6, 8, 10, 12, ____

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

Q13. Count backward in 10s: 120, 110, 100, 90, ____

- (A) 70 (B) 80 (C) 81 (D) 90

Q14. Look at the pattern: star, square, star, square, star, ____ . Which shape comes next?

- (A) oval (B) square (C) star (D) hexagon

Q15. Find the odd one out: 28, 36, 96, 120, 132

- (A) 28 (B) 132 (C) 96 (D) 36

Q16. Which number comes just after 388?

- (A) 389 (B) 388 (C) 391 (D) 390

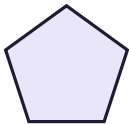
Q17. If today is Monday, what day is the day after today?

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

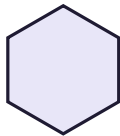
Q18. Find the next number in the pattern: 6, 12, 18, 24, ____

- (A) 36 (B) 31 (C) 30 (D) 24

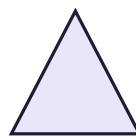
Q19. Which of these figures has exactly 3 lines of symmetry?



(A)



(B)



(C)



(D)

Q20. In a row of 14 children, Tara is 6th from the left end. What is Tara's position from the right end?

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

Q21. Count forward in 10s: 30, 40, 50, 60, ____

- (A) 70 (B) 71 (C) 69 (D) 80

Q22. Count backward in 10s: 70, 60, 50, 40, ____

- (A) 40 (B) 31 (C) 20 (D) 30

Q23. Look at the pattern: square, circle, square, circle, square, ____ . Which shape comes next?

- (A) circle (B) hexagon (C) oval (D) square

Q24. Find the odd one out: 9, 14, 24, 27, 30

- (A) 14 (B) 27 (C) 30 (D) 9

Q25. Which number comes just after 730?

- (A) 731 (B) 730 (C) 733 (D) 732

Q26. If today is Thursday, what day is two days after today?

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

Q27. Find the next number in the pattern: 10, 16, 22, 28, ____

- (A) 34 (B) 40 (C) 28 (D) 35

Q28. In a row of 16 children, Tara is 5th from the left end. What is Tara's position from the right end?

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

Q29. Count backward in 3s: 24, 21, 18, 15, ____

- (A) 12 (B) 15 (C) 9 (D) 13

Q30. Find the odd one out: 27, 54, 84, 90, 99

- (A) 90 (B) 27 (C) 84 (D) 99

Achievers Section

5 questions · 2 marks each · 10 marks

Q31. $15 + \underline{\quad} = 163$

- (A) 148 (B) 138 (C) 163 (D) 158

Q32. Choose the correct form: "The ____ playing in the park." (use the plural of 'tooth')

- (A) tooths are (B) tooth are (C) teeth are (D) teeth is

Q33. There are 4 boxes with 7 samosas in each box. If 17 samosas are eaten, how many are left?

- (A) 28 (B) 11 (C) 8 (D) 14

Q34. $51 + \underline{\quad} = 89$

- (A) 89 (B) 48 (C) 38 (D) 28

Q35. Choose the correct form: "The ____ playing in the park." (use the plural of 'goose')

- (A) geese are (B) goose are (C) geese is (D) geese are

Answer Key

1	2	3	4	5	6	7	8	9	10
C	B	C	D	A	C	A	C	D	D
11	12	13	14	15	16	17	18	19	20
A	C	B	B	A	A	A	C	C	D
21	22	23	24	25	26	27	28	29	30
A	D	A	A	A	A	A	D	A	C
31	32	33	34	35					
A	C	B	C	D					

Solutions

Q1. (C) Each number is 5 more than the one before it, so the next is $18 + 5 = 23$.

Q2. (B) Counting lines of symmetry: regular pentagon has 5, rectangle has 2, square has 4, equilateral triangle has 3. The answer is figure (B).

Q3. (C) Position from the right = total - position from the left + 1 = $20 - 15 + 1 = 6$ th.

Q4. (D) Comparing 345, 915, 1013, 1073, the smallest is 345.

Q5. (A) Adding 3 to 12 gives 15.

- Q6. (C) Subtracting 2 from 18 gives 16.
- Q7. (A) The pattern repeats square then star over and over, so after square comes star.
- Q8. (C) The number just after 96 is 97.
- Q9. (D) Counting 2 day(s) on from Friday gives Sunday.
- Q10. (D) Each number is 5 more than the one before it, so the next is $27 + 5 = 32$.
- Q11. (A) Position from the right = total - position from the left + 1 = $23 - 17 + 1 = 7$ th.
- Q12. (C) Adding 2 to 12 gives 14.
- Q13. (B) Subtracting 10 from 90 gives 80.
- Q14. (B) The pattern repeats star then square over and over, so after star comes square.
- Q15. (A) Every other number is a multiple of 12. 28 is not.
- Q16. (A) The number just after 388 is 389.
- Q17. (A) Counting 1 day(s) on from Monday gives Tuesday.
- Q18. (C) Each number is 6 more than the one before it, so the next is $24 + 6 = 30$.
- Q19. (C) Counting lines of symmetry: regular pentagon has 5, regular hexagon has 6, equilateral triangle has 3, rectangle has 2. The answer is figure (C).
- Q20. (D) Position from the right = total - position from the left + 1 = $14 - 6 + 1 = 9$ th.
- Q21. (A) Adding 10 to 60 gives 70.
- Q22. (D) Subtracting 10 from 40 gives 30.
- Q23. (A) The pattern repeats square then circle over and over, so after square comes circle.
- Q24. (A) Every other number is a multiple of 3. 14 is not.
- Q25. (A) The number just after 730 is 731.
- Q26. (A) Counting 2 day(s) on from Thursday gives Saturday.
- Q27. (A) Each number is 6 more than the one before it, so the next is $28 + 6 = 34$.
- Q28. (D) Position from the right = total - position from the left + 1 = $16 - 5 + 1 = 12$ th.
- Q29. (A) Subtracting 3 from 15 gives 12.
- Q30. (C) Every other number is a multiple of 9. 84 is not.
- Q31. (A) The missing number is $163 - 15 = 148$.
- Q32. (C) The plural of 'tooth' is 'teeth', and a plural subject takes 'are', so the answer is "teeth are".
- Q33. (B) $4 \times 7 = 28$ samosas in all, and $28 - 17 = 11$ are left.
- Q34. (C) The missing number is $89 - 51 = 38$.
- Q35. (D) The plural of 'goose' is 'geese', and a plural subject takes 'are', so the answer is "geese are".

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