

Class 2 | Logical Reasoning Olympiad

Instructions: Each question has one correct answer. Choose the best option (A/B/C/D). Answer key is provided at the end. This paper is for practice only — not an official exam paper. Recommended time: **45 minutes**.

Q1. Which number comes next: 3, 6, 9, 12, ___?

A. 14

B. 16

C. 15

D. 18

Q2. Find the MISSING number: 100, 90, 80, ___, 60

A. 65

B. 75

C. 70

D. 68

Q3. ODD ONE OUT: Lion, Tiger, Elephant, Eagle

A. Lion

B. Tiger

C. Eagle

D. Elephant

Q4. In a row of 15, Priya is 6th from the left. What is her position from the right?

A. 8th

B. 9th

C. 10th

D. 7th

Q5. Which is the MIRROR IMAGE concept: ABCD becomes ___ when read in a mirror?

A. ABCD

B. DCAB

C. DCBA

D. ABDC

Q6. Pointing to a man, a woman says 'His mother is the only daughter of my mother.' How is the woman related to the man?

A. Sister

B. Aunt

C. Mother

D. Grandmother

Q7. If FRIEND is coded as GSJFOE, which letter represents E in this code?

A. D

B. F

C. F

D. E

Q8. A clock shows 3:00. The minute hand points to 12. The angle between the hands is:

A. 60°

B. 45°

C. 90°

D. 120°

Q9. Find the pattern: 2, 6, 18, 54, ___

A. 108

B. 72

C. 162

D. 216

Q10. If $CAT = 3+1+20 = 24$, then $DOG = ?$

A. 24

B. 25

C. 26

D. 27

Q11. Which number does NOT belong: 2, 4, 6, 9, 12?

A. 4

B. 6

C. 9

D. 12

Q12. Tall : Short :: Wide : ___

A. Long

B. High

C. Narrow

D. Deep

Q13. A grandfather, 2 fathers, 2 sons, and a grandson are sitting. The minimum number of people is:

A. 6

B. 4

C. 3

D. 5

Q14. If you fold a square paper diagonally, you get a:

A. square

B. rectangle

C. right-angled triangle

D. trapezium

Q15. Which is NEXT: Z, X, V, T, ___?

A. Q

B. P

C. R

D. S

Q16. If APPLE = $1+16+16+12+5$, what is the sum?

A. 49

B. 50

C. 48

D. 51

Q17. In a group of 5 children — A, B, C, D, E — A is taller than B, C is taller than D, and E is the tallest. B is taller than C. Who is the shortest?

A. B

B. C

C. D

D. A

Q18. How many triangles are in a figure of a square divided by both diagonals?

A. 2

B. 6

C. 4

D. 8

Q19. Which letter is 5 places AFTER M in the alphabet?

A. Q

B. P

C. R

D. S

Q20. ODD ONE OUT: Wheat, Rice, Potato, Maize

A. Wheat

B. Rice

C. Potato

D. Maize

Q21. Look at the series: 1, 1, 2, 3, 5, 8, ____. What comes next?

A. 12

B. 14

C. 13

D. 11

Q22. A is the brother of B. B is the sister of C. How is C related to A?

A. Brother

B. Aunt

C. Sister

D. Cannot be determined — C could be brother or sister of A

Q23. What is $\frac{1}{4}$ of 80?

A. 16

B. 40

C. 20

D. 10

Q24. A train runs at 60 km/h. How far does it travel in 30 minutes?

A. 60 km

B. 45 km

C. 30 km

D. 20 km

Q25. Which statement is ALWAYS true?

A. All birds can fly

B. Some triangles are squares

C. All squares have 4 equal sides

D. Some circles have corners

Q26. Find the MISSING term: 2, 5, 10, 17, ___

A. 24

B. 27

C. 26

D. 28

Q27. If NORTH is coded as SOUTH in a joke, and EAST is coded as WEST, then UP is coded as:

A. LEFT

B. RIGHT

C. DOWN

D. BACK

Q28. Which is the SMALLEST prime number?

A. 0

B. 3

C. 2

D. 1

Q29. Statement: All mangoes are fruits. All fruits are sweet. Conclusion: All mangoes are sweet. Is this:

A. False

B. Cannot say

C. True

D. Partly true

Q30. If 3 workers build a wall in 12 days, how many days would 6 workers take?

A. 8 days

B. 4 days

C. 6 days

D. 9 days

Q31. What is the next number in the series: 0, 1, 3, 6, 10, 15, ___?

A. 18

B. 22

C. 21

D. 20

Q32. ABCD is a square. The diagonal AC divides it into:

A. two rectangles

B. two trapezoids

C. two right-angled isosceles triangles

D. two equilateral triangles

Q33. Find the ODD ONE OUT: 4, 9, 16, 25, 35, 49

A. 9

B. 25

C. 35

D. 49

Q34. Which word is MOST DIFFERENT: Honest, Truthful, Sincere, Cunning

A. Honest

B. Truthful

C. Cunning

D. Sincere

Q35. If all roses are flowers, and some flowers fade quickly, then:

A. all roses fade quickly

B. no roses fade quickly

C. some roses may fade quickly

D. roses never fade

Q36. A bag has 3 red and 7 blue balls. The probability of picking a red ball is:

A. 7/10

B. 3/7

C. 3/10

D. 1/3

Q37. What is the PERIMETER of a square with side 6 cm?

A. 12 cm

B. 36 cm

C. 24 cm

D. 18 cm

Q38. $30 + ? \times 2 = 50$. What is ??

A. 5

B. 15

C. 10

D. 20

Q39. Which series shows SQUARE NUMBERS: 1, 4, 9, 16, 25?

A. 1, 3, 5, 7, 9

B. 2, 4, 6, 8, 10

C. 1, 4, 9, 16, 25

D. 1, 2, 4, 8, 16

Q40. If X is the brother of Y and Z is the mother of X, who is Z to Y?

A. Aunt

B. Sister

C. Mother

D. Grandmother

Answer Key

Q1: C Q2: C Q3: C Q4: C Q5: C Q6: C Q7: B Q8: C Q9: C Q10: C
Q11: C Q12: C Q13: C Q14: C Q15: C Q16: B Q17: C Q18: C Q19: C
Q20: C Q21: C Q22: D Q23: C Q24: C Q25: C Q26: C Q27: C Q28: C
Q29: C Q30: C Q31: C Q32: C Q33: C Q34: C Q35: C Q36: C Q37: C
Q38: C Q39: C Q40: C