

8. Tap A fills a tank in 6 hours; tap B in 8 hours. Both open together — how long to fill the tank?

- A) $3 \frac{2}{7}$ hours
- C) $3 \frac{4}{7}$ hours

- B) $3 \frac{3}{7}$ hours
- D) 4 hours

9. The area of a circle with radius 7 cm is: (Use $\pi = \frac{22}{7}$)

- A) 44 cm^2
- C) 154 cm^2

- B) 77 cm^2
- D) 308 cm^2

10. What is the value of 999×999 ?

- A) 997001
- C) 999001

- B) 998001
- D) 1000001

11. What is the next term in this sequence? $\frac{1}{2}, \frac{2}{3}, \frac{3}{4}, \frac{4}{5}, \underline{\hspace{1cm}}$

- A) $\frac{4}{6}$
- C) $\frac{6}{7}$

- B) $\frac{5}{6}$
- D) $\frac{5}{5}$

12. How many DIAGONALS does a hexagon (6-sided polygon) have?

- A) 6
- C) 12

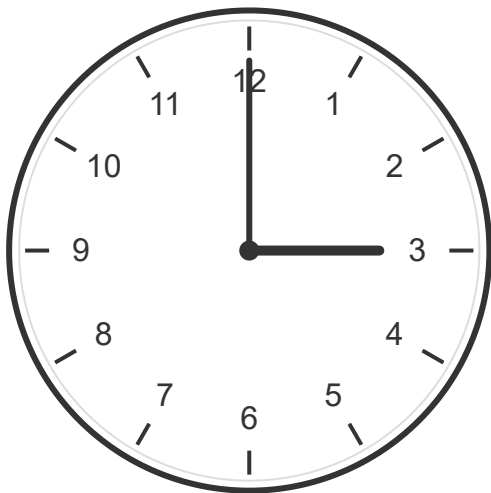
- B) 9
- D) 15

13. If $\frac{x}{4} + 3 = 7$, what is the value of x?

- A) 12
- C) 16

- B) 14
- D) 20

14. The clock shows 3:00. What is the angle between the hour and minute hands?



- A) 60°
- C) 120°

- B) 90°
- D) 180°

15. ₹5000 is invested at 8% per annum simple interest for 3 years. What is the total interest earned?

- A) ₹800
- C) ₹1200

- B) ₹1000
- D) ₹1500

16. Which organelle is known as the 'powerhouse of the cell'?

- A) Nucleus
- B) Mitochondria
- C) Ribosome
- D) Cell wall

17. Newton's First Law of Motion states that:

- A) Force = mass \times acceleration
- B) For every action there is an equal and opposite reaction
- C) A body at rest or in motion stays so unless acted upon by an external force
- D) Acceleration is inversely proportional to mass

18. The splitting of white light into its colours is called:

- A) Refraction
- B) Reflection
- C) Dispersion
- D) Diffraction

19. DNA is found in the ___ of a cell:

- A) Cell wall
- B) Mitochondria
- C) Nucleus
- D) Ribosome

20. What is the chemical formula of table salt?

- A) NaCl
- B) KCl
- C) CaCO₃
- D) MgSO₄

21. Which planet takes the LONGEST to orbit the Sun?

- A) Jupiter
- B) Saturn
- C) Uranus
- D) Neptune

22. The process by which a solid changes DIRECTLY to gas without passing through liquid state is:

- A) Evaporation
- B) Condensation
- C) Sublimation
- D) Melting

23. The ozone layer is found in which layer of the atmosphere?

- A) Troposphere
- B) Stratosphere
- C) Mesosphere
- D) Thermosphere

24. The element with atomic number 8 is:

- A) Carbon
- B) Nitrogen
- C) Oxygen
- D) Fluorine

25. Acid rain is mainly caused by:

- A) CO₂ and N₂
- B) SO₂ and NO_x
- C) O₂ and H₂O
- D) CH₄ and CO

26. Transfer of heat WITHOUT movement of matter is called:

- A) Convection
- B) Conduction
- C) Radiation
- D) Insulation

27. Which of the following is a NON-CONTACT force?

- A) Friction
- B) Normal force
- C) Gravitational force
- D) Applied force

28. In photosynthesis, the gas released into the atmosphere as a by-product is:

- A) CO₂
- B) N₂
- C) O₂
- D) H₂

29. A concave mirror forms a REAL and INVERTED image when the object is placed:

- A) Between focus and mirror
- B) At the focus
- C) Between focus and centre of curvature
- D) Beyond the centre of curvature

30. Which of the following shows the CORRECT order of energy conversion in a hydroelectric plant?

- A) Electrical → Kinetic → Potential
- B) Potential → Kinetic → Electrical
- C) Kinetic → Potential → Electrical
- D) Chemical → Kinetic → Electrical

LOGICAL REASONING

31. Find the missing number: 3, 7, 13, 21, 31, ___

- A) 41
- B) 42
- C) 43
- D) 44

32. Find the next letter in the series: A, E, I, M, ___

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

33. Find the odd one out: 121, 144, 169, 181, 196

- A) 144
- B) 169
- C) 181
- D) 196

34. What comes next in the pattern shown?



- A) Circle
- B) Square
- C) Triangle
- D) Star

35. In a code, 'TIGER' is written as 'VKIGT' (each letter +2). What is the code for 'LION'?

- A) NKPQ
- B) NKQP
- C) NJQP
- D) MKQP

36. In a class of 30 students, 18 passed Maths, 15 passed Science, and 10 passed BOTH. How many passed NEITHER?

- A) 5
- B) 7
- C) 8
- D) 9

37. The ages of A, B, C are in the ratio 4:5:6 and their total is 75 years. What is B's age?

- A) 20
- B) 25
- C) 30
- D) 35

38. Complete the analogy: Architect : Building :: Sculptor : ?

- A) Painting
- B) Statue
- C) Poem
- D) Music

39. If the day before yesterday was Thursday, what day is TOMORROW?

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

40. A man walks 5 km North, then 12 km East. How far is he from his starting point?

- A) 9 km
- B) 11 km
- C) 13 km
- D) 17 km

ENGLISH

41. Identify the FIGURE OF SPEECH in: 'The world is a stage.'

- A) Simile
- B) Metaphor
- C) Personification
- D) Alliteration

42. Choose the CORRECT sentence:

- A) Each of the students have submitted their work.
- B) Each of the students has submitted their work.
- C) Each of the students have submitted his work.
- D) Each of the students are submitting their work.

43. What is the SYNONYM of 'EPHEMERAL'?

- A) Permanent
- B) Temporary
- C) Ancient
- D) Modern

44. Fill in the blank: 'The news ___ good today.'

- A) are
- B) were
- C) is
- D) have

45. Identify the ERROR: 'She is more better than him.'

- A) She
- B) more better
- C) than
- D) him

GENERAL KNOWLEDGE

46. Who is known as the Father of the Indian Constitution?

- A) Jawaharlal Nehru
- B) Mahatma Gandhi
- C) B.R. Ambedkar
- D) Sardar Vallabhbhai Patel

47. Which is the DEEPEST ocean in the world?

- A) Atlantic
- B) Arctic
- C) Indian
- D) Pacific

48. The Nobel Prize was established by:

- A) Albert Einstein
- B) Alfred Nobel
- C) Marie Curie
- D) Isaac Newton

49. Which country is known as the 'Land of the Rising Sun'?

- A) China
- B) Japan
- C) Korea
- D) Thailand

50. Who wrote the National Anthem of India?

- A)** Bankim Chandra Chattopadhyay
- C)** Sarojini Naidu

- B)** Rabindranath Tagore
 - D)** Subhash Chandra Bose
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Answer Key – Class 4 Olympiad Practice Paper

1. C	2. C	3. B	4. C	5. B	6. A	7. C	8. B	9. C	10. B
11. B	12. B	13. C	14. B	15. C	16. B	17. C	18. C	19. C	20. A
21. D	22. C	23. B	24. C	25. B	26. C	27. C	28. C	29. D	30. B
31. C	32. C	33. C	34. B	35. B	36. B	37. B	38. B	39. B	40. C
41. B	42. B	43. B	44. C	45. B	46. C	47. D	48. B	49. B	50. B

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