STUDENT COPY · SET B

Class 4 · Mathematics 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

10 questions · 1 mark each · 10 marks

Q1. Pen : Write :: Knife : ___

(A) Cut (B) Sleep (C) Run (D) Sing

Q2. In a certain code JAR is written as MDU. How is BAT written in that code?

(A) FEX (B) EDW (C) WDE (D) YXQ

Q3. Which letter comes next? F, H, K, O, ___

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

Q4. Find the next number in the pattern: 4, 9, 19, 39, ___

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

Q5. Which one does NOT belong with the others?

(A) Pentagon (B) Square (C) Rectangle (D) Circle

Q6. Riya walks 3 m towards north, turns right and walks 8 m, then turns right again and walks 3 m. How far is Riya from the starting point, and in which direction?

(A) 11 m, North (B) 3 m, East (C) 8 m, West (D) 8 m, East

Q7. In a row of 28 children, Tara is 19th from the left end. What is Tara's position from the right end?

(A) 10th (B) 9th (C) 12th (D) 11th

Q8. Pointing to a boy in a photograph, Vikram said, "This boy is not me, but he is the son of my paternal grandfather's only son." How is the boy related to Vikram?

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

Q9. Which of these figures has exactly 6 lines of symmetry?



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

Q10. If the 18th of a month is a Saturday, what day of the week is the 27th of the same month?

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

Mathematical Reasoning

10 questions · 1 mark each · 10 marks

Q11. 133 × 25 = ?

(A) 3,458 (B) 3,300 (C) 3,325 (D) 3,425

Q12. 10 × 7 = ?

(A) 71 (B) 70 (C) 63 (D) 80

Q13. Round 24,112 to the nearest thousand.

(A) 24,000 (B) 24,100 (C) 23,000 (D) 25,000

Q14. At 6 a.m. the temperature was 14°C. By noon it had risen by 4°C, and by night it had fallen by 2°C. What was the temperature at night?

(A) 14°C (B) 16°C (C) 17°C (D) 18°C

Q15. The perimeter of a square is 28 cm. What is its area?

(A) 49 sq cm (B) 28 sq cm (C) 64 sq cm (D) 56 sq cm

Q16. In the number 68, what is the digit in the tens place?

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

Q17. 3,995 ÷ 17 = ?

(A) 245 (B) 236 (C) 235 (D) 225

Q18. 4.2 km = _____ m

(A) 420 (B) 42 (C) 42,000 (D) 4,200

Q19. 6 L 900 mL × 4 = ?

(A) 27 L 600 mL (B) 27 L 700 mL (C) 28 L 600 mL (D) 27 L 500 mL

Q20. What is the smallest number that can be divided exactly by both 8 and 18?

(A) 36 (B) 72 (C) 90 (D) 144

Everyday Mathematics

10 questions · 1 mark each · 10 marks

Q21. A water tank holds 400 litres. If 7/8 of the water is used, how much water is left?

(A) 50 L (B) 75 L (C) 25 L (D) 350 L

Q22. A book has 188 pages. Ritu reads 16 pages every day for 9 days. How many pages are still left?

(A) 39 (B) 144 (C) 44 (D) 49

Q23. A train leaves at 8:40 a.m. and reaches its destination at 11:34 a.m. on the same day. How long is the journey?

(A) 2 h 54 min (B) 3 h 54 min (C) 2 h 44 min (D) 1 h 54 min

Q24. An auto charges ₹ 25 for the first kilometre and ₹ 8 for every kilometre after that. What is the fare for a journey of 9 km?

(A) ₹ 81 (B) ₹ 90 (C) ₹ 97 (D) ₹ 89

Q25. A rope 5.2 m long is cut into pieces each 40 cm long. How many complete pieces are obtained?

(A) 11 (B) 18 (C) 13 (D) 15

Q26. 60 biscuits are shared equally among 5 children. How many does each child get?

(A) 11 (B) 13 (C) 5 (D) 12

Q27. Sameer had 110 chocolates and gave away 4. How many chocolates are left?

(A) 108 (B) 104 (C) 110 (D) 106

Q28. A shopkeeper sells 23 kg of rice at ₹ 45 per kg. How much money does he receive?

(A) ₹ 1,135 (B) ₹ 1,035 (C) ₹ 1,058 (D) ₹ 935

Q29. It is 3 o'clock now. What time will it be 2 hours later?

(A) 3 o'clock (B) 7 o'clock (C) 6 o'clock (D) 5 o'clock

Q30. In a class of 56 students, 4/8 are girls. How many boys are there?

(A) 29 (B) 33 (C) 28 (D) 23

Achievers Section

5 questions · 2 marks each · 10 marks

Q31. 23 + ___ = 139

(A) 126 (B) 139 (C) 116 (D) 106

Q32. 12 taps together fill a tank in 15 minutes. How long will 6 taps of the same kind take to fill it?

(A) 30 minutes (B) 27 minutes (C) 15 minutes (D) 33 minutes

Q33. Using each of the digits 8, 0, 5, 4 exactly once, what is the smallest 4-digit number that can be formed?

(A) 4067 (B) 8540 (C) 0458 (D) 4058

Q34. There are 5 boxes with 10 samosas in each box. If 16 samosas are eaten, how many are left?

(A) 50 (B) 34 (C) 31 (D) 37

Q35. Find the next number: 2, 4, 8, 14, 22, ___

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

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