STUDENT COPY · SET A

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. 6 : 36 :: 9 : ___

(A) 81 (B) 64 (C) 100 (D) 18

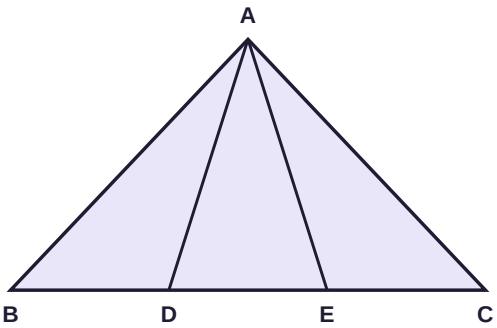
Q2. Three of the following four are alike and form a group. Which one does NOT belong?

(A) Sparrow (B) Pigeon (C) Parrot (D) Tiger

Q3. In a certain code JAR is written as LCT. How is CUP written in that code?

(A) ASN (B) EWR (C) FXS (D) RWE

Q4. How many triangles are there in the given figure?



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

Q5. Which letter comes next? C, E, H, L, ___

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

Q6. In a row of 26 children, Arjun is 9th from the left end. What is Arjun's position from the right end?

(A) 18th (B) 19th (C) 17th (D) 20th

Q7. Bird : Nest :: Bee : ___

(A) Hive (B) Web (C) Burrow (D) Cave

Q8. Which letter comes next? E, I, M, Q, ___

(A) Y (B) V (C) T (D) U

Q9. If the 15th of a month is a Tuesday, what day of the week is the 26th of the same month?

(A) Friday (B) Saturday (C) Monday (D) Sunday

Q10. Pointing to a boy in a photograph, Rahul said, “This boy is not me, but he is the son of my paternal grandfather’s only son.” How is the boy related to Rahul?

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

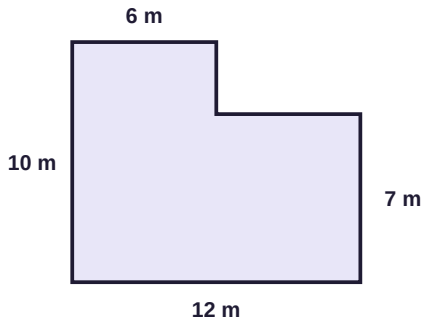
Mathematical Reasoning

10 questions · 1 mark each · 10 marks

Q11. 4 × 10 = ?

(A) 40 (B) 41 (C) 30 (D) 44

Q12. The figure shows a plot of land. What is its area?



(A) 96 sq m (B) 102 sq m (C) 120 sq m (D) 105 sq m

Q13. 572 ÷ 4 = ?

(A) 133 (B) 143 (C) 144 (D) 153

Q14. In the number 96, what is the digit in the tens place?

(A) 6 (B) 11 (C) 9 (D) 10

Q15. What is the smallest number that can be divided exactly by both 12 and 15?

(A) 180 (B) 15 (C) 30 (D) 60

Q16. The perimeter of a square is 72 cm. What is its area?

(A) 361 sq cm (B) 342 sq cm (C) 72 sq cm (D) 324 sq cm

Q17. 24,973 - 8,916 = ?

(A) 16,157 (B) 16,047 (C) 17,057 (D) 16,057

Q18. Arrange 520, 223, 225 from smallest to greatest.

(A) 223 < 520 < 225 (B) 225 < 520 < 223

(C) 520 < 225 < 223 (D) 223 < 225 < 520

Q19. What is the place value of 8 in the number 3,02,287?

(A) 81 (B) 800 (C) 8 (D) 80

Q20. 8 L 700 mL × 6 = ?

(A) 52 L 100 mL (B) 52 L 200 mL (C) 52 L 300 mL (D) 53 L 200 mL

Everyday Mathematics

10 questions · 1 mark each · 10 marks

Q21. An auto charges ₹ 20 for the first kilometre and ₹ 14 for every kilometre after that. What is the fare for a journey of 8 km?

(A) ₹ 104 (B) ₹ 132 (C) ₹ 119 (D) ₹ 118

Q22. A book has 221 pages. Ritu reads 45 pages every day for 4 days. How many pages are still left?

(A) 46 (B) 180 (C) 36 (D) 41

Q23. A water tank holds 200 litres. If 1/4 of the water is used, how much water is left?

(A) 150 L (B) 175 L (C) 50 L (D) 125 L

Q24. It is 9 o'clock now. What time will it be 4 hours later?

(A) 3 o'clock (B) 1 o'clock (C) 2 o'clock (D) 9 o'clock

Q25. A rope 11.5 m long is cut into pieces each 50 cm long. How many complete pieces are obtained?

(A) 23 (B) 21 (C) 28 (D) 25

Q26. A train leaves at 9:10 a.m. and reaches its destination at 3:20 p.m. on the same day. How long is the journey?

(A) 5 h 10 min (B) 6 h 20 min (C) 7 h 10 min (D) 6 h 10 min

Q27. In a class of 40 students, 2/5 are girls. How many boys are there?

(A) 16 (B) 29 (C) 19 (D) 24

Q28. Ayesha had 37 chocolates and gave away 35. How many chocolates are left?

(A) 4 (B) 37 (C) 2 (D) 0

Q29. A shopkeeper sells 19 kg of rice at ₹ 46 per kg. How much money does he receive?

(A) ₹ 774 (B) ₹ 893 (C) ₹ 874 (D) ₹ 974

Q30. One dozen pens cost ₹ 168. What is the cost of 9 pens?

(A) ₹ 154 (B) ₹ 140 (C) ₹ 126 (D) ₹ 112

Achievers Section

5 questions · 2 marks each · 10 marks

Q31. The average of 5 numbers is 25. Four of them are 20, 19, 37 and 35. What is the other number?

(A) 25 (B) 12 (C) 14 (D) 16

Q32. 8 taps together fill a tank in 60 minutes. How long will 10 taps of the same kind take to fill it?

(A) 60 minutes (B) 48 minutes (C) 51 minutes (D) 45 minutes

Q33. Find the next number: 6, 8, 12, 18, 26, ___

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

Q34. There are 7 boxes with 8 oranges in each box. If 54 oranges are eaten, how many are left?

(A) 56 (B) 5 (C) -1 (D) 2

Q35. How many numbers greater than 60 and less than 90 leave a remainder of 5 when divided by 9?

(A) 4 (B) 3 (C) 5 (D) 2

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