STUDENT COPY · SET A

Class 5 · Mathematics Olympiad

Total questions	Total marks	Time	Negative marking
50	60	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

15 questions · 1 mark each · 15 marks

Q1. In a row of 20 children, Ravi is 10th from the left end. What is Ravi's position from the right end?

(A) 13th (B) 10th (C) 11th (D) 12th

Q2. All but one of these numbers are multiples of the same number. Find the one that is not: 18, 45, 54, 79, 90

(A) 54 (B) 90 (C) 45 (D) 79

Q3. Which word would come FIRST in a dictionary?

(A) museum (B) maple (C) mango (D) metal

Q4. Anita walks 7 m towards north, turns right and walks 8 m, then turns right again and walks 7 m. How far is Anita from the starting point, and in which direction?

(A) 8 m, East (B) 7 m, East (C) 8 m, West (D) 15 m, North

Q5. Five friends A, B, C, D and E sit in a row of five seats. A sits at the extreme left end, D sits at the extreme right end, C sits exactly in the middle and B sits between A and C. Who sits in the fourth seat from the left?

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

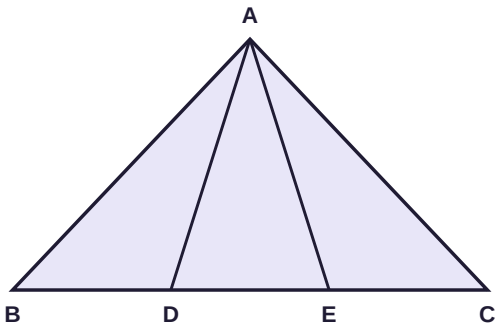
Q6. If the 15th of a month is a Wednesday, what day of the week is the 28th of the same month?

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

Q7. Pointing to a boy in a photograph, Anjali said, "This boy is not me, but he is the son of my paternal grandfather's only son." How is the boy related to Anjali?

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

Q8. How many triangles are there in the given figure?



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

Q9. If JAR is written as 10 - 1 - 18 using the positions of the letters in the alphabet, how is BAG written?

(A) 2 - 1 - 7 (B) 7 - 1 - 2 (C) 3 - 2 - 8 (D) 25 - 26 - 20

Q10. In a queue, Nita is 6th from the front and 7th from the back. How many people are in the queue altogether?

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

Q11. Which of these figures has exactly 5 lines of symmetry?



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

Q12. Sima walks 7 m north, then 10 m east, then 2 m south. Where is Sima now, relative to the starting point?

(A) 5 m north and 11 m east (B) 6 m north and 10 m east

(C) 7 m north and 10 m east (D) 5 m north and 10 m east

Q13. Three of the following four are alike and form a group. Which one does NOT belong?

(A) Everest (B) Krishna (C) Yamuna (D) Ganga

Q14. Which one does NOT belong with the others?

(A) April (B) July (C) March (D) January

Q15. In a certain code HAT is written as JCV. How is CAT written in that code?

(A) VCE (B) AYR (C) ECV (D) FDW

Mathematical Reasoning

20 questions · 1 mark each · 20 marks

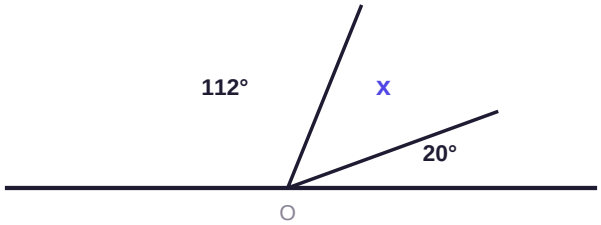
Q16. 1/2 + 3/10 = ?

(A) 4/5 (B) 9/10 (C) 3/10 (D) 1 3/10

Q17. Round 42,540 to the nearest thousand.

(A) 43,000 (B) 42,500 (C) 44,000 (D) 42,000

Q18. In the given figure, find the value of x.



(A) 48° (B) 38° (C) 58° (D) 68°

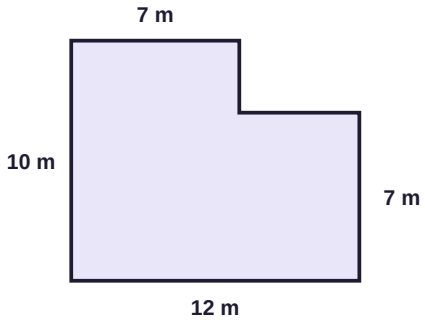
Q19. 1,456 ÷ 7 = ?

(A) 208 (B) 198 (C) 209 (D) 218

Q20. The perimeter of a square is 72 cm. What is its area?

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

Q21. The figure shows a plot of land. What is its area?



(A) 120 sq m (B) 105 sq m (C) 100 sq m (D) 108 sq m

Q22. Find the next number: 2, 6, 12, 20, 30, ___

(A) 48 (B) 44 (C) 42 (D) 40

Q23. Which of these fractions is the greatest?

(A) 4/7 (B) 7/10 (C) 5/6 (D) 2/3

Q24. 5,01,141 - 4,56,704 = ?

(A) 44,437 (B) 45,437 (C) 44,537 (D) 44,427

Q25. 5 L 350 mL × 5 = ?

(A) 26 L 650 mL (B) 27 L 750 mL (C) 26 L 750 mL (D) 26 L 850 mL

Q26. What is the place value of 2 in the number 37,36,627?

(A) 21 (B) 200 (C) 20 (D) 2

Q27. What is the smallest number that can be divided exactly by both 4 and 8?

(A) 12 (B) 16 (C) 8 (D) 4

Q28. At 6 a.m. the temperature was 22°C. By noon it had risen by 8°C, and by night it had fallen by 6°C. What was the temperature at night?

(A) 22°C (B) 24°C (C) 30°C (D) 26°C

Q29. 87 - 15.23 = ?

(A) 71.67 (B) 71.77 (C) 72.77 (D) 71.87

Q30. 9 kg 250 g - 5 kg 360 g = ?

(A) 3 kg 990 g (B) 3 kg 890 g (C) 4 kg 890 g (D) 3 kg 830 g

Q31. 108 × 22 = ?

(A) 2,476 (B) 2,484 (C) 2,354 (D) 2,376

Q32. 1.5 km = _____ m

(A) 15,000 (B) 1,500 (C) 15 (D) 150

Q33. 1/3 + 7/10 = ?

(A) 1 8/15 (B) 1 2/15 (C) 7/10 (D) 1 1/30

Q34. Round 38,991 to the nearest thousand.

(A) 39,001 (B) 38,000 (C) 39,000 (D) 40,000

Q35. 1,700 ÷ 17 = ?

(A) 110 (B) 90 (C) 101 (D) 100

Everyday Mathematics

10 questions · 1 mark each · 10 marks

Q36. A rope 5.4 m long is cut into pieces each 60 cm long. How many complete pieces are obtained?

(A) 7 (B) 14 (C) 11 (D) 9

Q37. One dozen pens cost ₹ 288. What is the cost of 4 pens?

(A) ₹ 144 (B) ₹ 120 (C) ₹ 72 (D) ₹ 96

Q38. A book has 218 pages. Ritu reads 34 pages every day for 5 days. How many pages are still left?

(A) 53 (B) 43 (C) 48 (D) 170

Q39. A shopkeeper sells 23 kg of rice at ₹ 59 per kg. How much money does he receive?

(A) ₹ 1,380 (B) ₹ 1,257 (C) ₹ 1,357 (D) ₹ 1,457

Q40. A water tank holds 240 litres. If 2/4 of the water is used, how much water is left?

(A) 145 L (B) 95 L (C) 121 L (D) 120 L

Q41. A wall is 7 m long and 5 m high. How many square tiles of side 25 cm are needed to cover it completely?

(A) 560 (B) 572 (C) 1120 (D) 280

Q42. In a class of 16 students, 1/4 are girls. How many boys are there?

(A) 12 (B) 4 (C) 7 (D) 17

Q43. An auto charges ₹ 20 for the first kilometre and ₹ 10 for every kilometre after that. What is the fare for a journey of 10 km?

(A) ₹ 110 (B) ₹ 100 (C) ₹ 120 (D) ₹ 111

Q44. A train leaves at 6:10 a.m. and reaches its destination at 2:08 p.m. on the same day. How long is the journey?

(A) 7 h 58 min (B) 6 h 58 min (C) 7 h 48 min (D) 8 h 58 min

Q45. A rope 13.5 m long is cut into pieces each 75 cm long. How many complete pieces are obtained?

(A) 18 (B) 23 (C) 20 (D) 16

Achievers Section

5 questions · 3 marks each · 15 marks

Q46. Using each of the digits 7, 0, 4, 6 exactly once, what is the smallest 4-digit number that can be formed?

(A) 7640 (B) 4067 (C) 4076 (D) 0467

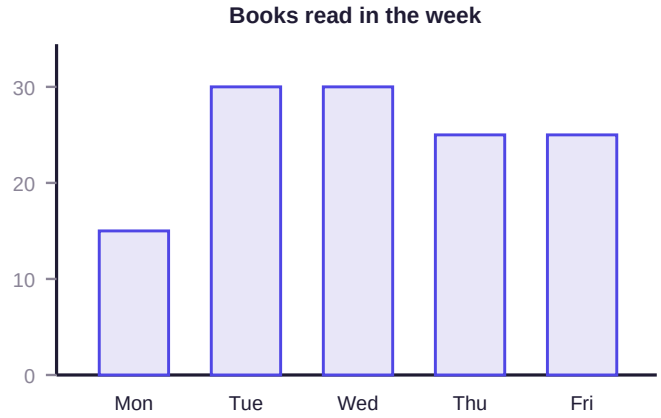
Q47. Find the next number: 2, 4, 8, 14, 22, ___

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

Q48. 2 taps together fill a tank in 25 minutes. How long will 5 taps of the same kind take to fill it?

(A) 10 minutes (B) 13 minutes (C) 7 minutes (D) 25 minutes

Q49. The bar graph shows the number of books read by a class on each day of one week. How many books were read in the whole week?



(A) 135 (B) 120 (C) 130 (D) 125

Q50. How many numbers greater than 40 and less than 70 leave a remainder of 7 when divided by 9?

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

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