

Duration : 60 min.
Class : 5th

Maximum Marks : 180
Subject : MATHEMATICS



International Talent Search Examination - 2023-24

अंतराष्ट्रीय प्रतिभा खोज परीक्षा - २०२३-२४



Ministry of Micro, Small and Medium Enterprises,
Government of India



Organized by

Savitri Skill Development Institute, Training Partner with
Ministry of Micro Small & Medium Enterprises (MSME), Govt. of India.

TEST BOOKLET

Name :

Class : School:

Father's Name : Father's Occupation :

Mother's Name : Mother's Occupation :

Categories : Gen OBC SC ST

Correspondence Address :

Date of Birth :

Father's Contact No :

Home/Mother's Contact No. :

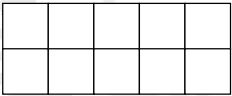
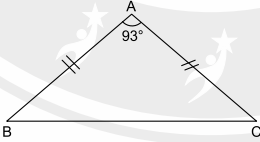
WhatsApp No. :

Basic Instructions:

- Ensure that your personal data has been entered correctly.
- Immediately after opening the test booklet verify that all the pages are printed properly and are in order. If there is a problem with your test booklet, immediately inform the invigilator. You will be provided with the replacement.
- All questions are compulsory.
- For every correct answer you will be awarded with 4 marks and for all incorrect answers 1 mark will be deducted.
- Directions for answering the questions are given. Read those directions carefully and answer the question by circling the bubble in the OMR Sheet Provided to you. Test booklet/OMR Sheet will be submitted at the end of the examination.
- Follow the instructions given by the invigilator. Students found violating the instructions will be disqualified.
- Rough work can be done separately or on the Question paper.
- Please fill the bubbles in OMR sheet with Blue or Black pen only.
- Do not tear the question paper or OMR sheet else you will be disqualified in the examination.

CLASS-5 MATHEMATICS

1. $617 + 6.017 + 0.617 + 6.0017 = ?$
 (A) 6.2963 (B) 62.965 (C) 629.6357 (D) none of these
 2. $8\frac{1}{6} + 5\frac{1}{8} + 4\frac{2}{3} = ?$
 (A) $17\frac{23}{24}$ (B) $17\frac{4}{17}$ (C) $17\frac{16}{48}$ (D) $4\frac{17}{24}$
 3. Average of first four even natural numbers
 (A) 5 (B) 7 (C) 8 (D) 9
 4. Ram buys a mirror at Rs 800 and sells it at Rs 1800, find percentage of profit.
 (A) 50% (B) 100% (C) 125% (D) 80%
 5. Vimal borrowed Rs 4000 for 5 years at 6% simple interest rate. How much interest is that?
 (A) Rs 800 (B) Rs 1200 (C) Rs 1000 (D) Rs 1500
 6. In $\triangle ABC$, $\angle ABC = 70^\circ$ and $\angle ACB = 80^\circ$. Find the measure of $\angle BAC$
 (A) 30° (B) 40° (C) 50° (D) 60°
 7. A man buys an article for Rs 27.50 and sells it for Rs 28.60. Find his gain
 (A) Rs 1.10 (B) Rs 2.00 (C) Rs 1.20 (D) Rs 0.90
 8. Which of the following fraction is greater than $\frac{3}{4}$ and less than $\frac{5}{6}$?
 (A) $\frac{1}{2}$ (B) $\frac{2}{3}$ (C) $\frac{4}{5}$ (D) $\frac{9}{10}$
 9. Ray OC stands on line AB such that $\angle AOC = 4x^\circ$ and $\angle BOC = 2x^\circ$. Find x
 (A) 30°
 (B) 40°
 (C) 60°
 (D) 120°
-
10. The sum of ten numbers is 420. Then their average is
 (A) 40 (B) 41 (C) 42 (D) 43
 11. Find the measure of angle A (in degree) in the given figure
 (A) 51°
 (B) 87°
 (C) 93°
 (D) 63°
-
12. Number of factors of 60 is
 (A) 2 (B) 12 (C) 4 (D) 8
 13. Simplify $\frac{12}{7}$ of $21 + 24$
 (A) $\frac{100}{21}$ (B) $\frac{540}{7}$ (C) 60 (D) 100
 14. Average of 134, 168, 142 and 156 is
 (A) 150 (B) 155 (C) 160 (D) 145
 15. Victor gets 92% marks in an examination. If he gets 460 marks, find maximum marks.
 (A) 600 (B) 480 (C) 500 (D) 550
 16. If a radio is purchased for Rs 490 and sold for Rs 465.50, find the loss percentage?
 (A) 6% (B) 5% (C) 10% (D) 15%
 17. Given that simple interest on a certain sum of money is Rs 2160 at 6% per annum in 6 years. Find the sum of money
 (A) Rs 3000 (B) Rs 4000 (C) Rs 5000 (D) Rs 6000
 18. If $2494 \div 14.5 = 172$, then $24.94 \div 1.45 = ?$
 (A) 1.72 (B) 0.172 (C) 17.2 (D) 172

19. How many right angles are possible in a triangle?
 (A) 0 (B) 1 (C) 2 (D) 3
20. Find x, if $\frac{0.009}{x} = 0.001$
 (A) 0.9 (B) 0.09 (C) 9 (D) 90
21. $0.002 \times 0.5 = ?$
 (A) 0.0001 (B) 0.001 (C) 0.01 (D) 0.1
22. In right angled triangle ABC, if $\angle B = 90^\circ$, AB = 3 cm, BC = 4 cm then area is
 (A) 6 cm^2 (B) 25 cm^2 (C) 7 cm^2 (D) 1 cm^2
23. Number of factors of 7 are
 (A) 1 (B) 7 (C) 2 (D) 0
24. Which of the following is a multiple of 13?
 (A) 133 (B) 253 (C) 2197 (D) 323
25. In a class of 50 students, 40% are girls, find the number of boys in the class?
 (A) 25 (B) 30 (C) 40 (D) 20
26. If LCM of two numbers is 120. Possible HCF of the two numbers is
 (A) 50 (B) 30 (C) 35 (D) 18
27. Which of the following is in descending order?
 (A) $\frac{5}{8}, \frac{9}{13}, \frac{11}{17}$ (B) $\frac{11}{17}, \frac{9}{13}, \frac{5}{8}$ (C) $\frac{5}{8}, \frac{11}{17}, \frac{9}{13}$ (D) $\frac{9}{13}, \frac{11}{17}, \frac{5}{8}$
28. 60% of a number is 360. What is 99% of the same number?
 (A) 500 (B) 600 (C) 596 (D) 594
29. Find time (in years), when principal is Rs 5000, rate is 10% per annum, and simple interest is Rs 1000.
 (A) 1 (B) 2 (C) 3 (D) 4
30. How many squares of the given figure must be shaded so that $\frac{2}{5}$ of the figure is unshaded?
 (A) 4
 (B) 2
 (C) 6
 (D) 5
- 
31. Rohit bought a pen for Rs 100 and then he sold it for Rs 105. Find profit percent.
 (A) 5 (B) 6 (C) 2 (D) 10
32. Determine whether the given triangle is acute, obtuse or right and if it is an equilateral, isosceles or scalene?
 (A) right and isosceles
 (B) right and equilateral
 (C) obtuse and scalene
 (D) obtuse and isosceles
- 
33. Find number of different internal angles in scalene triangle
 (A) 0 (B) 1 (C) 3 (D) 2
34. Find the interest on Rs 4500 at $3\frac{1}{2}$ % per annum for 2 years?
 (A) Rs 300 (B) Rs 321 (C) Rs 315 (D) Rs 351
35. The total sales in a grocery shop for a week are Rs 5600. Find the average sale per day?
 (A) Rs 850 (B) Rs 800 (C) Rs 900 (D) Rs 700
36. In a village there are total 2000 people out of which 800 are male. What is the actual number of female in the village?
 (A) 600 (B) 1000 (C) 1200 (D) 800

37. Write 25% in the fraction form?

- (A) $\frac{5}{2}$ (B) $\frac{1}{4}$ (C) $\frac{1}{5}$ (D) $\frac{2}{5}$

38. What percent(%) is 12 of 36

- (A) 33.33% (B) 35% (C) 30% (D) 40%

39. Calculate the average of first ten prime numbers?

- (A) 14.6 (B) 13.9 (C) 12.9 (D) 19.2

40. The temperature of Bengaluru city during a summer week was 35°C, 29°C, 30°C, 42°C, 36°C, 37°C and 43°C. What was the average daily temperature of the city for the week?

- (A) 252°C (B) 36°C (C) 35°C (D) 37.25°C

41. Calculate the simple interest on Rs 5600 at 8% per annum for 6 months.

- (A) Rs 250 (B) Rs 232 (C) Rs 242 (D) Rs 224

42. Find the standard form of $(2 \times 1000) + (4 \times 10) + (6 \times 1) + \left(2 \times \frac{1}{100}\right)$.

- (A) 2406.02 (B) 2046.02 (C) 2460.20 (D) 2046.20

43. Rahul purchased a bed for Rs 7460. He spent Rs 400 on transportation. He sold it at a profit of Rs 800. Find the selling price of the bed?

- (A) Rs 8660 (B) Rs 7660 (C) Rs 8066 (D) Rs 9000

44. Find gain or loss percent if cost price is Rs 300 and selling price is Rs 500?

- (A) 76.66% (B) 56.66% (C) 70% (D) 66.66%

45. If two sides of a triangle are 5 cm and 2 cm. What should be the length of third side if the perimeter is 11 cm?

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

