



MATHEMATICS TALENT HUNT 2025

Organized by : The Pi Group of Mathematics (TPGM), Cooch Behar

Registration No. – S0031696 of 2022-23

Class – V

Full Mark : 100

Time : 1 Hr 30 mins.

Instructions to the Candidates

1. Candidates must write their Name, Class, Roll No. allotted for the exam and Name of their School correctly in the specific places of the answer sheet.
2. There are 50 questions of 2 marks each. Four possible options of answer are given for each question.
3. Candidates should choose the correct option and completely darken the circle with that option written in it in the answer sheet (OMR). For example, say the correct option for Question Number 10 is (c), then the candidate should darken the circle completely with 'c' written in it against the number 10 of the answer sheet. Use black ball pen or pencil for darkening.
4. There is no negative marking.

1. Roman numeral for the predecessor of the smallest 4-digit number is -

- (a) CMXC (b) CMXCIX (c) MCXI (d) MI

2. If $P = \text{CMXLIX}$ and $Q = \text{CMLXVIII}$ then, which of the following option is correct?

- (a) $P > Q$ (b) $P < Q$ (c) $P = Q$ (d) can't be determined

3. A number when rounded off to the nearest thousands become 15000. Which of the following could be the number?

- (a) 15525 (b) 14280 (c) 15969 (d) 14675

4. The product of 214 and a number is X. Taking 49 away from X gives 1449. Find the number.

- (a) 7 (b) 9 (c) 1498 (d) 1640

5. If $\square \times \square = 36$, $\odot \div \square = 8$ and $\ast + \odot = 50$ then, find $\square + \odot + \ast$.

- (a) 50 (b) 56 (c) 48 (d) 52

6. Which of the following option is incorrect?

- (a) Smallest multiple of a number is the number itself.
(b) LCM of two numbers is always less than both the numbers
(c) Common prime factors of 12 and 18 are 2 and 3.
(d) None of these

7. What could be the number x ?

$$\boxed{x} \rightarrow \boxed{\div 16} \rightarrow \boxed{\times 20} \rightarrow \boxed{132820}$$

- (a) 116256 (b) 106256 (c) 384120 (d) 102656

8. Which fraction is less than $\frac{8}{11}$ and greater than $\frac{4}{11}$?

- (a) $\frac{9}{11}$ (b) $\frac{6}{11}$ (c) $\frac{3}{11}$ (d) $\frac{2}{11}$

9. The value of $78.80 + 19.45 - 17.20$ is

- (a) 84.75 (b) 76.5 (c) 81.05 (d) 73.50

10. Read the statement carefully and select the correct option

Statement I : The numbers 5.04 , 5.40, 5.45 and 5.145 are arranged in ascending order.

Statement II : The difference between (7 tens 8 tenths and 14 hundredths) and (6 tens and 5 tenths) is 10.34

- (a) Both I and II are true. (b) Both I and II are false.
(c) I is true and II is false. (d) I is false and II is true.

11. Komal's birthday party started at 5 : 20 p.m. and finished 4 hour 20 minutes later. When did the party finished?

- (a) 9 : 10 p.m. (b) 9 : 40 p.m. (c) 9 : 20 p.m. (d) 9 : 18 p.m.

12. Which of the following is incorrect?

- (a) 18.745 kg = 18 kg 745 g (b) 90.080 L = 90 L 800 mL
(c) 11 cm 8 mm = 118 mm (d) 18 km 804 m = 18804 m

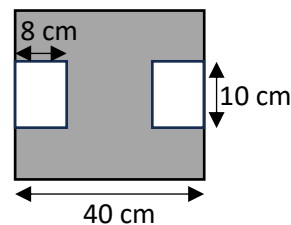
13. Sachin has ₹ 1500 with him. If he used $\frac{1}{5}$ -th of his money for buying milk and $\frac{2}{5}$ -th money on fruits then, how much money is left with him?

- (a) ₹ 350 (b) ₹ 450 (c) ₹ 550 (d) ₹ 600

14. ABCD is a square and unshaded parts are rectangles.

Find the shaded area of the given figure.

- (a) 1378 sq. cm (b) 1300 sq. cm
(c) 1200 sq. cm (d) 1440 sq. cm



15. Find the area of a rectangle where, length is 35 cm and perimeter is 90 cm.

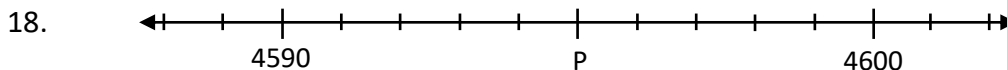
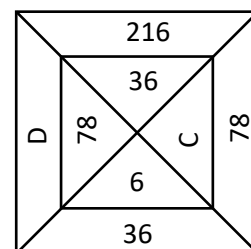
- (a) 450 sq. cm (b) 350 sq. cm (c) 310 sq. cm (d) 400 sq. cm

16.  has _____ line of symmetry.

- (a) 4 (b) 5 (c) 6 (d)

17. Following the given pattern find the value of C + D .

- (a) 486
(b) 481
(c) 468
(d) None of these



From the above figure subtracting P from 71099 and rounding off the result to the nearest thousand will give

- (a) 66500 (b) 66505 (c) 67000 (d) 70000

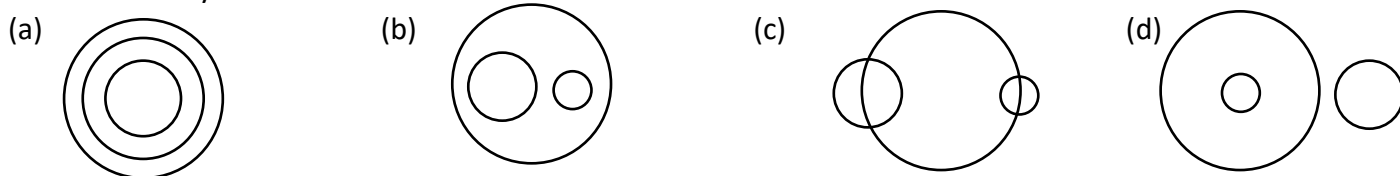
19. Find the odd one out.

- (a) FILO (b) GKOS (c) BEHK (d) MSVP

20. $\frac{3}{5}$ of a number is 130 more than $\frac{1}{6}$ of the same number. What is the number?

- (a) 325 (b) 300 (c) 225 (d) 200

21. Which one of the following Venn Diagrams correctly represents the relationship amongst “week” , “month” and “year”.



22. Arrange the following in a meaningful order from particular to general.

1. Family 2. State 3. Member 4. Locality 5. Country
- (a) 3, 1, 2, 4, 5 (b) 3, 1, 2, 5, 4 (c) 3, 1, 4, 2, 5 (d) 3, 1, 4, 5, 2

23. Pallavi is eleventh from left end in a row of girls, Kritee is fourteenth from the right. If there are 42 girls in the row then, how many girls are there between Kritee and Pallavi?

- (a) 115 (b) 17 (c) 16 (d) Data inadequate

24. The maximum number of times a Roman Symbol repeats continuously is _____ .

- (a) as wish (b) 2 (c) 3 (d) 4

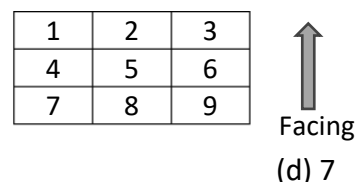
25. Vineeta uses $\frac{1}{4}$ cup of apple sauce in place of every $\frac{1}{3}$ cup of butter in her cookie recipe. What quantity of apple sauce will Vineeta use in place of 1 cup of butter?

- (a) $\frac{1}{12}$ (b) $\frac{1}{3}$ (c) $\frac{2}{3}$ (d) $\frac{3}{4}$

26. After every ninth visit to a restaurant, Saran receives a free beverage. After every twelfth visit, she receives a free appetiser. On which visit will she receive a beverage and appetiser both?

- (a) 12 th (b) 27 th (c) 36 th (d) 48 th

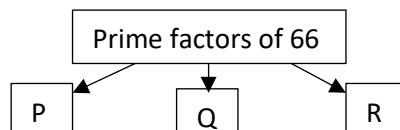
27. Alope was standing on box 5 facing towards the given direction. After he made 270° turn to the right he faced box 4. Which number would he faced if he had turned 135° to the left?



- (a) 4 (b) 9 (c) 3 (d) 7

28. Find the values of P + Q + R from the given diagram.

- (a) 7 (b) 14
(c) 15 (d) 16



29. Find C, if F = 50 from the given relation.

$$F = \frac{9}{5} \times C + 32$$

- (a) 10 (b) 50 (c) 8 (d) 100

30. Find the greatest number that will divide 37, 50, 123 leaving 1, 2 and 3 remainder respectively.

- (a) 50 (b) 12 (c) 48 (d) 120

31. Find the volume in litre of water that can be contained in a cubical container each of edge measures 2 metre internally.

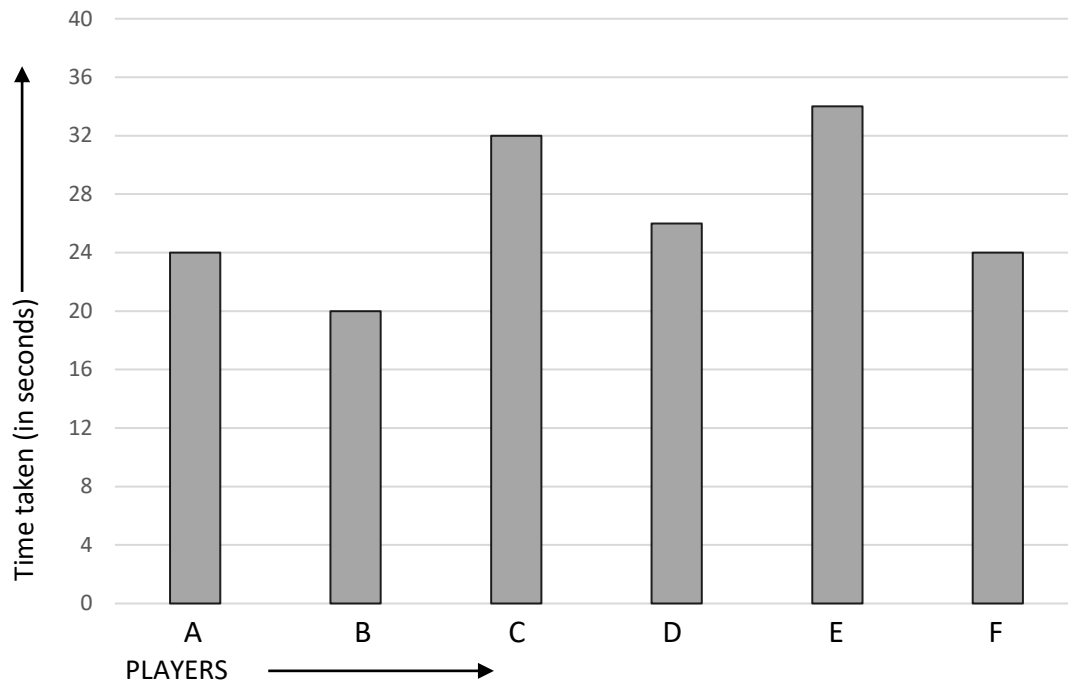
- (a) 8 (b) 800 (c) 8000 (d) 80000

32. How many pieces of stone slabs, each 26 cm long and 10 cm broad, will be required to lay a path 260 m long and 15 m wide?

- (a) 150000 (b) 1500 (c) 15000 (d) None of these

33. In a bundle of 20 sticks, there are 4 sticks each of length 1 m 50 cm, 10 sticks each of length 2 m and each of the rest is 1 m long. What is the average length of the sticks in the bundle?
 (a) 60 cm (b) 1 m 60 cm (c) 2 m 60 cm (d) 1 m 06 cm
34. Identify the number :
 It is a three digit number, all of its digits are different. The sum of all of its digits is 15. The tens digit is three times the ones digit.
 (a) 631 (b) 762 (c) 593 (d) None of these
35. Find the sum of the greatest and smallest 6 digit numbers that can be formed by using the digits 0, 1, 2 and 8 (using each digits at least once).
 (a) 998138 (b) 988238 (c) 978168 (d) None of these
36. The total weight of three girls Kavita, Vinti and Puja is 256.5 kg. Kavita is 5.5 kg lighter than Vinti. Vinti is 10.4 kg heavier than Puja. How heavy is Kavita?
 (a) 75 kg (b) 70.4 kg (c) 85.3 kg (d) 66.66 kg
37. Naina's height is 1 m 35 cm. She is 6 cm shorter than Ajit. What is the total height of Ajit and Naina?
 (a) 2 m 24 cm (b) 2 m 60 cm (c) 2 m 88 cm (d) 2 m 76 cm
38. Aman buy 15 L 125 mL of cold drink. He drinks 10 L 875 mL of the drink. How much cold drink is left with him?
 (a) 3 L (b) 3 L 550 mL (c) 2 L 450 mL (d) 4 L 250 mL
39. The number of people visited in a museum on Saturday was 14638. On Sunday, it was 23894 and on Monday it was 6139. How many people in all visited the museum on these three days?
 (a) 44617 (b) 44167 (c) 44176 (d) 44671
40. Goutam ran around a square track 4 times. The total distance that he ran was 4 km 480 m. Find the length of the side of the square track.
 (a) 320 m (b) 280 m (c) 120 m (d) 200 m
41. The number of prime factors of 252 is
 (a) 4 (b) 5 (c) 2 (d) 3
42. Which of the following is the next term in the given series? 15, 90, 165, 240, 315, ____?
 (a) 350 (b) 480 (c) 190 (d) 390
43. A cubical tank is 30 cm long , 30 cm wide and 1 m 60 cm high. It has water up to a height of 40 cm. How much more cubic centimetre of water can the tank contain?
 (a) 108000 (b) 10800 (c) 180000 (d) 100800
44. Twenty lakh fifty four thousand one hundred two can be written in International System of Numeration as
 (a) 20,54,210 (b) 2,054,102 (c) 20, 54,102 (d) 2,504,102
45. If the ratio of two numbers is 2 : 3 and their HCF is 12 then, find the LCM.
 (a) 12 (b) 24 (c) 36 (d) 72

Direction for Q. No 46 – 48 : The given bar graph shows the time taken by the six players to complete a race. Study the graph and answer the questions.



46. Find the total time taken by the player B and E together.

- (a) 56 s (b) 48 s (c) 54 s (d) 58 s

47. Which of the following take the least time to complete the race?

- (a) B (b) C (c) A (d) F

48. The fastest runner finished the race in _____ second.

- (a) 14 (b) 18 (c) 10 (d) 16

49. Express $7\frac{5}{6}$ hours in seconds.

- (a) 28200 s (b) 25400 s (c) 30400 s (d) 27150 s

50. If $f(x) = 2x^2 - 5x + 3$, find $f(2)$.

- (a) 1 (b) 2 (c) 0 (d) 3
