



MATHEMATICS TALENT HUNT 2024

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

Registration No. – S0031696 of 2022-23

Class – IV

Full Mark : 100

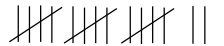
Time : 1 Hr 30 mins.

Instructions to the Candidates

- 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.
- There are 50 questions of 2 marks each. Four possible options of answer are given for each question.
- 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.
- There is no negative marking.

35. What fraction of even numbers is there in the first twenty natural numbers?

- (a) $\frac{1}{20}$ (b) $\frac{11}{20}$ (c) $\frac{10}{20}$ (d) None of these

36. The marks scored by a student in his test was . His score is

- (a) 37 (b) 32 (c) 42 (d) 17

37. If 19-21-14 is 'SUN', then 13-1-18-19 is

- (a) NEST (b) MARS (c) BEST (d) FAST

38. Identify the word which is its own mirror image.

- (a) WON (b) SUN (c) DO (d) MOM

39. If 20 years ago Suresh was half as old as he is today, how old was he 10 years ago?

- (a) 10 years (b) 5 years (c) 40 years (d) 30 years

40. Expanded form of 90525 is

- (a) $9000 + 500 + 20 + 5$ (b) $90000 + 500 + 20 + 5$ (c) $90000 + 200 + 25$ (d) $9000 + 500 + 25$

41. Ravi has 4000 paise in his piggy bank. The amount of rupee is same as

- (a) ₹ 4000 (b) ₹ 400 (c) ₹ 4 (d) ₹ 40

42. Which pair of numbers complete the best the given equation? $13 + () - 7 = ()$

- (a) 8 and 13 (b) 8 and 14 (c) 9 and 18 (d) None of these

43. Difference of fractions $(\frac{3}{5} - \frac{1}{5})$ is same as

- (a) $\frac{1}{5} + \frac{1}{5}$ (b) $\frac{2}{5} - \frac{1}{5}$ (c) $\frac{2}{5} + \frac{1}{5}$ (d) all of these

44. Jagdeep types 4500 words in half an hour. How many words would he type in 12 minutes?

- (a) 2100 words (b) 1800 words (c) 1400 words (d) 1200 words

45. Which one is the correct option?

- (a) $355 + 0 = 355$ (b) $365 - 10 = 355$ (c) $345 + 10 = 355$ (d) All of these

46. Two angles of a triangle are 42° and 47° . The triangle is an

- (a) acute angle triangle (b) obtuse angled triangle (c) right angled triangle (d) isosceles triangle

47. The missing digit in the multiplication is

- (a) 8 (b) 4
(c) 5 (d) 7

$$\begin{array}{r} 1 \quad (?) \quad 7 \quad 3 \\ \times \quad \quad \quad 6 \\ \hline 8 \quad 8 \quad 3 \quad 8 \end{array}$$

48. If you add 3000 less than 4000 to 2000 less than 5000, what do you get?

- (a) 2000 (b) 3000 (c) 6000 (d) 4000

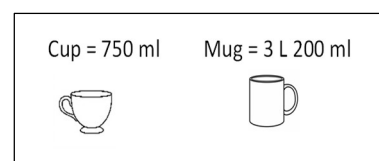
49. The mug can hold more _____ ml of water than the cup.

- (a) 2530 ml (b) 2450 ml (c) 4250 ml (d) 2350 ml

50. If $\theta + \theta + \theta + \theta = 1108$ then find the value of $500 - \theta$.

- (a) 223 (b) 277 (c) 232 (d) 227

* All the best *



1. How many times do the hands of a clock coincides in a day?

- (a) 20 (b) 21 (c) 22 (d) 24

2. If in a certain code language the word TODAY is written as YADOT then, how will you write the word ANDROMEDA

- (a) ADEMORDNA (b) ADEMORRNA (c) RDNAOADEM (d) ADEORMDNA

3. What is the remainder when $13 + 13 + 13 + 13$ is divided by 4 ?

- (a) 13 (b) 1 (c) 0 (d) 2

4. Which number of goes in? $186 + 6_3 = 759$

- (a) 9 (b) 4 (c) 7 (d) None of these

5. The greatest odd factor of 45 is

- (a) 3 (b) 5 (c) 45 (d) 15

6. (20 hundreds) + (10 ones) = _____ tens

- (a) 20001 (b) 210 (c) 201 (d) 22000

7. Is $3 \times 3 \times 3$ even or odd?

- (a) Prime (b) Even (c) Odd (d) None of these

8. Select the correct option.

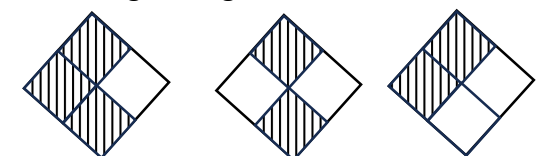
- (a) $XIV + XXXVI$ (b) $XX - XVIII = 3$ (c) $XXXV + XXIX = 64$ (d) $LX - XXXIX = 23$

9. Rahul bought 15 packets of milk which cost Rs. 645. How much will 24 such packets of milk cost?

- (a) Rs. 945 (b) Rs. 1032 (c) Rs. 1120 (d) Rs. 1302

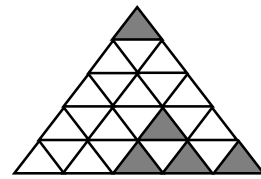
10. Which of the following option represents the shaded part of the given figure?

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



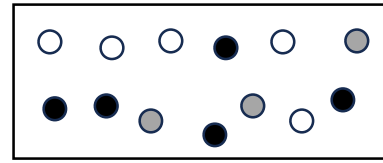
11. What fraction of the given figure is shaded?

- (a) $\frac{1}{5}$ (b) $\frac{9}{12}$ (c) $\frac{5}{22}$ (d) None of these



12. What fraction of the given balls are not black?

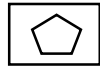
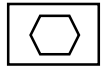
- (a) $\frac{4}{13}$ (b) $\frac{5}{13}$ (c) $\frac{9}{13}$ (d) $\frac{8}{13}$



13. Largest five digit number having 0 at tens place, formed is

- (a) 95402 (b) 24509 (c) 90524 (d) 90542

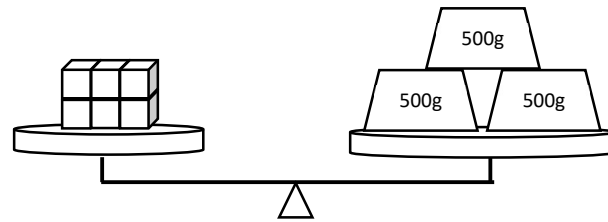
14. Complete the series.



- (a)  (b)  (c)  (d) None of these

15. The weight of each of the 6 identical cubes is

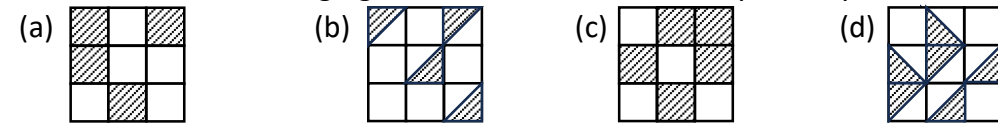
- (a) 350 g (b) 250 g
(c) 450 g (d) 500 g



16. Moulil bought a 4-sided cloth, whose each side is equal in measure. What could be the shape of the cloth?

- (a) Square (b) Rectangle (c) Triangle (d) None of these

17. Which of the following figure has at least one line of symmetry?

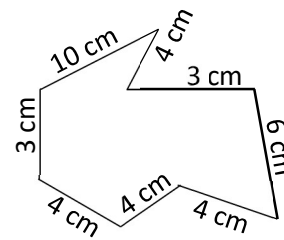


18. If 'earth' is called 'sky', 'sky' is called 'water', 'water' is called 'light' and 'light' is called 'air', then if some one is thirsty what would he drink?

- (a) light (b) air (c) sky (d) water

19. Find the perimeter of the given figure.

- (a) 52 cm (b) 38 cm
(c) 35 cm (d) 39 cm

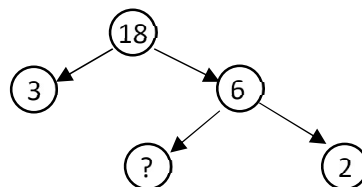


20. Which of the following shows the common factors of 12 and 15.

- (a) 1 and 2 (b) 2 and 3 (c) 1 and 3 (d) 3 and 4

21. Find the missing numbers-

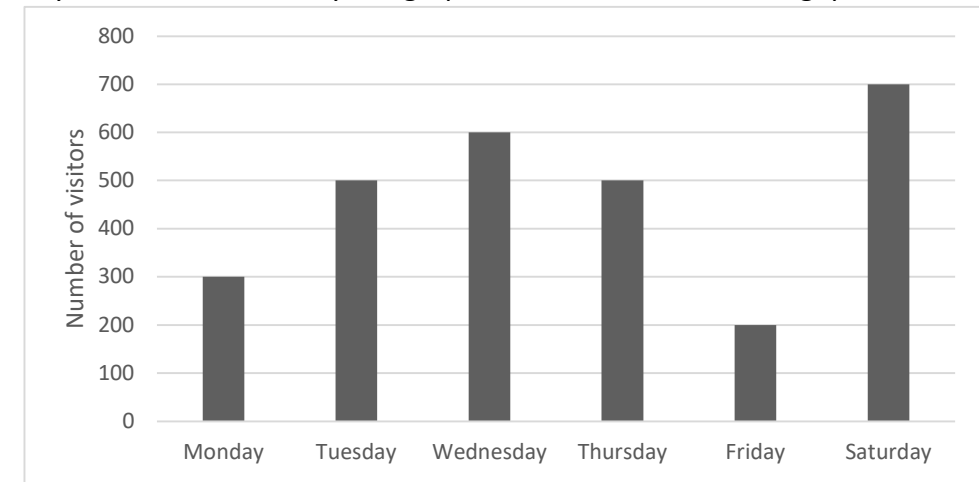
- (a) 2 (b) 3
(c) 6 (d) 4



22. After buying 5 books of Rs. 60 each, Rajani has Rs. 50 left. How much amount did she have first?

- (a) ₹ 300 (b) ₹ 350 (c) ₹ 400 (d) ₹ 450

Direction for Q. No. 23 – 25 : The given graph shows the number of visitors visited to a museum on 5 consecutive days in November. Study the graph and answer the following questions.



23. On which day 300 more visitors visited than Monday?

- (a) Thursday (b) Saturday (c) Tuesday (d) Wednesday

24. How many total visitors visited on Tuesday, Thursday and Friday altogether?

- (a) 1000 (b) 1200 (c) 1400 (d) 1500

25. How many less visitors visited on Wednesday than on Saturday?

- (a) 100 (b) 50 (c) 150 (d) 200

26. Find the missing time in the pattern. 11 : 20, 11 : 40, _____, 12 : 20

- (a) 11 : 00 (b) 11 : 10 (c) 12 : 00 (d) None of these

27. $4 \times 4 \times 20 \times 20 = 80 \times$ _____

- (a) 80 (b) 640 (c) 120 (d) 240

28. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series. AC, DF, GI, JL, _____

- (a) NP (b) MO (c) QS (d) RT

29. How many times do the hands of a clock coincide in a day?

- (a) 20 (b) 21 (c) 22 (d) 24

30. Roman number XL is same as

- (a) 100 + 40 (b) 60 - 10 (c) 100 - 40 (d) 100 - 60

31. Fill in with proper digit. $195 + 6 \text{ _____ } 5 = 850$

- (a) 3 (b) 7 (c) 4 (d) 5

32. Evan goes to bed exactly 65 minutes after 8 : 30 p.m. At what time does Evan go to bed?

- (a) 9 : 15 p.m. (b) 9 : 55 p.m. (c) 9 : 35 p.m. (d) 9 : 05 p.m.

33. Which of the following is correct?

- (a) $400 + 21 = 402 + 1$ (b) $400 + 21 = 410 + 2$ (c) $400 + 21 = 40 + 21$ (d) $400 + 21 = 401 + 20$

34. Which of the following represents intersecting lines?

