



MATHEMATICS TALENT HUNT 2023

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

Registration No. – S0031696 of 2022-23

Class – III

Full Mark : 100

Time : 2 Hours.

Instructions

1. There are 50 question of 2 marks each.
2. Put tick mark (✓) only on the correct alternative against each question in your answer sheet.
3. There is no negative marking.

37. What is one – ninth of 90 ? (a) $\frac{1}{9}$ (b) $\frac{9}{90}$ (c) 10 (d) $\frac{9}{10}$
38. Match column A with Column B :
- | | | | |
|--------------------------------|--------------------------------|-----------|------------|
| (a) a - 4, b - 3, c - 2, d - 1 | (b) a - 2, b - 1, c - 3, d - 4 | Column A | Column B |
| | | a. 60 X 9 | 1. 16 X 14 |
| | | b. 9 X 6 | 2. 45 X 7 |
| (c) a - 2, b - 3, c - 4, d - 1 | (d) a - 1, b - 3, c - 2, d - 4 | c. 63 X 5 | 3. 18 X 3 |
| | | d. 28 X 8 | 4. 27 X 20 |
39. What is impossible ? (a) $\frac{5}{2}$ (b) $\frac{3}{0}$ (c) $\frac{0}{9}$ (d) $\frac{7}{10000}$
40. Half of 50 divided by 5 is - (a) 5 (b) 10 (c) 0 (d) 25
41. 1 metre = 130 cm - ____ cm. (a) 100 (b) 30 (c) 13 (d) 130
42. Which number belongs in the box to make the number sentence correct ? $\square > 185$
(a) 197 (b) 184 (c) 157 (d) none
43. When 533 is divided by 9, the quotient is _____, and remainder is _____.
(a) 59 and 2 (b) 5 and 45 (c) 145 and 4 (d) 300 and 8
44. $8 \times 9 = \underline{\hspace{1cm}} + 9 + 9$. The missing number is -
(a) 54 (b) 45 (c) 43 (d) 34
45. Dipa can make 4 paper cranes in 3 minutes. How many paper cranes does she make in an hour ?
(a) 82 (b) 80 (c) 84 (d) 76
46. Which place value will determine the larger number among the given numbers?
7596, 7589. (a) Ones (b) Hundreds (c) Tens (d) Thousands
47. Which of the following shapes is divided into half?
(a) (b) (c) (d)
48. What must be added to 986 to get 8457 ? (a) 7711 (b) 7774 (c) 7471 (d) 7174
49. What fraction does the shape shaded ?
(a) $\frac{5}{9}$ (b) $\frac{4}{9}$ (c) $\frac{9}{9}$ (d) $\frac{1}{2}$
50. $2 \text{ L} - 1 \text{ L } 500 \text{ ml} = ?$
(a) 0.5 L (b) 50 L (c) 500 L (d) 5 L

← x →

1. What comes next in the following number pattern 12, 12, 13, 14, 14, 15
(a) 12 (b) 13 (c) 14 (d) 15
2. If A denotes no. of corners, B denotes no. of sides and C denotes the number of faces of a cube, then the value of A+B-C is
(a) 12 (b) 14 (c) 18 (d) 6
3. If “Pen” means “Pencil”, “Pencil” means “Book” and “Book” means “News paper”, then what is used to read news ?
(a) Pen (b) Pencil (c) Book (d) News Paper

4. Which is false ? (a) $4 + 5 = 5 + 4$ (b) $4 \times 5 = 5 \times 4$ (c) $4 - 5 = 5 - 4$ (d) none

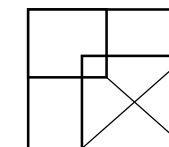
5. Find the value of “*”. $* + * + * + * + * + \blacksquare + \blacksquare = 100$ and $* + * + \blacksquare + \blacksquare = 60$
(a) 10 (b) 20 (c) 30 (d) 40

6. Find the values of A, B, C respectively.

120	+	A	=	150
				–
				70
				=
B	+	10	=	C

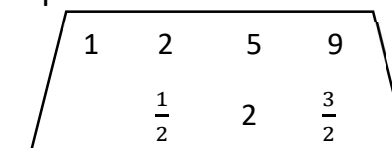
7. How many straight lines are required to form the given figure?

- (a) 10 (b) 15
(c) 12 (d) 8



8. Add the natural numbers given inside the trapezium.

- (a) 21 (b) 20
(c) 19 (d) 22



9. If = + + + and = 750 ml then the capacity of is
(a) 6 L (b) 3 L (c) 4.5 L (d) 3.5 L

10. The weight of each identical mango in the given balance is –

- (a) 10 kg (b) 5 kg (c) 7 kg (d) 9 kg



11. Select the odd one.

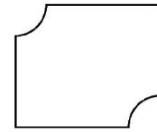
- (a) (b) (c) (d)

12. How many times can 12 be taken away from 144 ?

- (a) 10 (b) 12 (c) 9 (d) 7

13. Find the number of line of symmetry in the given figure?

- (a) 4 (b) 1 (c) 2 (d) 0



14. If you assume that the distance between any two consecutive counting number is 3 units, then what is the distance between 5 and 8 ?

- (a) 3 units (b) 6 units (c) 9 units (d) none.

15. The hour hand moves from one number to next is _____.

- (a) one hour (b) two hours (c) three hours (d) four hours

16. What will be the number if you write 235195 in a reverse manner?

- (a) 321559 (b) 591532 (c) 591235 (d) 955123

17. Which set shows more than half shaded fraction ?

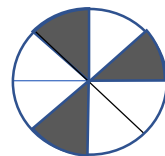
- (a) (b) (c) (d)

18. Your mother has added 14 L 500 ml of cold water to 20 L hot water in a tub. How much water does the tub contain now?

- (a) 34 L 14 ml (b) 34 L 500 ml (c) 32 L 500 ml (d) 364 L 500 ml

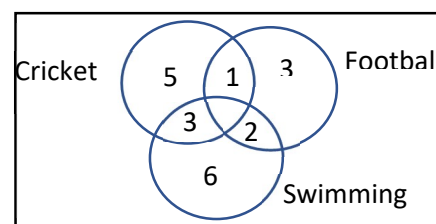
19. Find the unshaded part of the given picture.

- (a) $\frac{3}{8}$ (b) $\frac{3}{11}$ (c) $\frac{5}{11}$ (d) $\frac{5}{8}$



20. The Ven Diagram showed the favourite sports of 20 children. What fraction of child likes Cricket?

- (a) $\frac{9}{20}$ (b) $\frac{6}{20}$ (c) $\frac{11}{20}$ (d) $\frac{9}{10}$

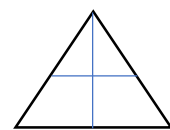


21. How many 10 rupees coin are there in 100 rupees?

- (a) 15 (b) 20 (c) 25 (d) 10

21. How many triangles are there in the figure?

- (a) 5 (b) 6 (c) 7 (d) 3



23. How many odd numbers are there in between 10 and 20 ?

- (a) 10 (b) 11 (c) 5 (d) 6

24. Find the missing number. 472 , 477 , _____ , 487 , 492

- (a) 478 (b) 482 (c) 480 (d) 484

25. Which number makes the equation true? $26 + 65 = 10 + \underline{\hspace{1cm}}$.

- (a) 80 (b) 70 (c) 90 (d) 60

26. Rabi is 9 years old. His sister is 2 years older than him. What is sum of their ages?

- (a) 18 (b) 22 (c) 19 (d) 20

27. Riya reads 12 pages daily of a story book. If the book has 360 pages in total, then in how many days does she finish the book?

- (a) 25 (b) 35 (c) 30 (d) 40

28. If 1st January of 2016 is Friday, then 31st December of 2016 is

- (a) Friday (b) Saturday (c) Thursday (d) Sunday

29. The rectangular block given here is made of unit cubes. What is its volume?

- (a) 52 units (b) 26 units (c) 32 units (d) 49 units

30. Arrange the following distances in ascending order : (i) 6 km (ii) 4000 m (iii) 2 km (iv) 5000 m

- (a) i,ii,iii,iv (b) iii, ii, iv, i (c) ii, iii, iv, i (d) iv, iii, ii, i

31. Simplify : $9 - 9 \div 9$.

- (a) 0 (b) 9 (c) 8 (d) 1

32. How many lines of different lengths are there ?

- (a) 10 (b) 15 (c) 9 (d) 12



33. Compute: $657 - (157 + 180)$.

- (a) 320 (b) 310 (c) 280 (d) 340

34. Compute the table :

Rule : Add 8

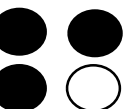
Input	Output
2	
3	11
8	
10	

- (a) 10, 16, 18 (b) 10, 12, 14

- (c) 12, 14, 2 (d) 10, 18 , 20

35. If you select a marble from the given marbles here without looking, how likely is it that you pick a black one ?

- (a) certainly (b) probably (c) unlikely (d) impossible



36. Vinay buy 12 bananas. The weight of each banana is 4 gm. What is the weight of the all 12 bananas together ?

- (a) 36 gm (b) 24 gm (c) 60 gm (d) 48 gm