

MATH TALENT HUNT EXAMINATION – 2020
Organised by : The Pi (π) Group of Mathematics, (TPGM)

Class – IV
F.M – 100

Time – 2 Hour

Instructions:

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

1. By how much is the sum of 30980 and 14270 less than the sum of 54200 and 20180?

- (a) 29130 (b) 17310 (c) 9310 (d) 9130

2. Find the sum of greatest eight digit number and smallest nine digit number.

- (a) 19999999 (b) 199999999 (c) 999999999 (d) 10000999

3. Place value of a digit increased by _____ times as it moves place by place from right to left.

- (a) 100 (b) $\frac{1}{10}$ (c) 10 (d) 1000

4. A family consumes 3.5 litre of milk everyday. How many litre of milk did the family consumes in February 2016?

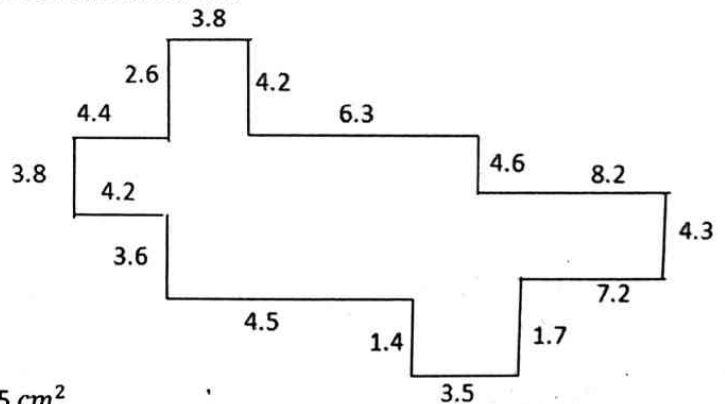
- (a) 91 (b) 28 (c) 101.5 (d) 98

5. $\frac{5}{6} \times 15 = \frac{\quad}{18} \times 15$, Identify the missing number.

- (a) 15 (b) 40 (c) 25 (d) 5

6. What is the perimeter of the given figure if all the measurements are in cm?

- (a) 68.2 (b) 68.1 (c) 86.3 (d) 68.3



7. If side of square is $\frac{1}{4}$ cm, find the area of the square.

- (a) 1 cm^2 (b) 0.0625 cm^2 (c) 0.625 cm^2 (d) 0.5 cm^2

8. Find the ascending order of the numbers in the box

LXIV , XLVI , LXVI , XLIV

- (a) LXVI, LXIV, XLVI, XLIV (b) LXVI, XLVI, LXIV, XLIV (c) XLIV, XLVI, LXIV, LXVI (d) XLVI, XLIV, LXVI, LXIV

9. _____ $\times 3 \times 6 = 666$, then the value of _____ is

- (a) 35 (b) 36 (c) 40 (d) 37

10. The population of the city is 8,05,03,624. There are 3,53,72,460 men and 3,00,04,738 women. The rest of them are children. Find the number of children in the city.

- (a) 1,50,26,246 (b) 1,51,26,426 (c) 1,51,62,246 (d) 1,50,62,246

11. A novel contains 226 pages, each page contains 21 lines and each line contains 37 words. How many words are there in the book?

- (a) 1,75,602 (b) 1,74,602 (c) 1,75,502 (d) 1,74,402

12. $2 \times 5 + 35 - 100 \div 20 = ?$

- (a) $\frac{5}{3}$ (b) $\frac{13}{6}$ (c) 20 (d) 40

13. The product of two fractions is 16. If one of the fraction is $3\frac{1}{7}$, find the other.

- (a) $\frac{56}{11}$ (b) $\frac{11}{56}$ (c) 8 (d) 7

14. Find the missing fraction in the box – $1\frac{3}{4} + 2\frac{3}{8} = \square + 2$

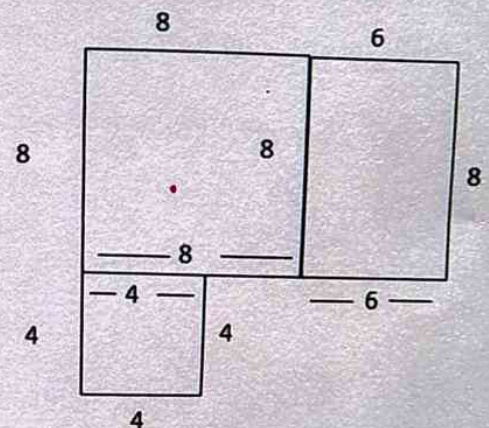
- (a) 2 (b) $4\frac{1}{8}$ (c) $2\frac{1}{8}$ (d) $2\frac{1}{4}$

15. Leela was 53 years old in 2019. What was her age in 1998 ?

- (a) 32 (b) 34 (c) 72 (d) 74

16. Find the perimeter of the following figure –

- (a) 54 cm (b) 56 cm (c) 58 cm (d) none of these



17. What is the rule for this number pattern – 1, 1, 2, 6, 24, 120, ...

- (a) add 0, then add 1, then add 2, and so on (b) multiply by 1, then multiply by 2, then multiply by 3 and so on
(c) multiply by 1, then add 1 (d) multiply by 2, then subtract 1.

18. There are four figures out of which three are same in some way while one is different from the rest. Find the different figure.

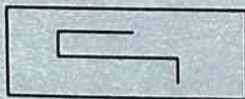


Figure A

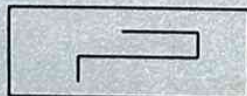


Figure B

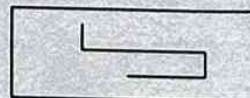


Figure C

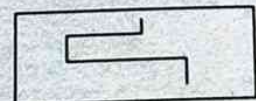
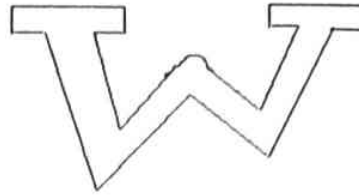


Figure D

- (a) Figure A (b) Figure B (c) Figure C (d) Figure D

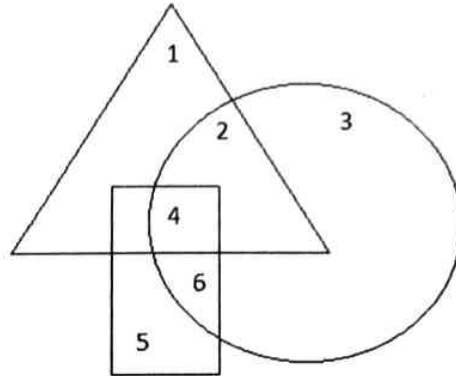
19. Count the number of straight lines in the given figure.

- (a) 17 (b) 18 (c) 19 (d) 20



20. Which number lies in all the three figures?

- (a) 1 (b) 2 (c) 4 (d) 5

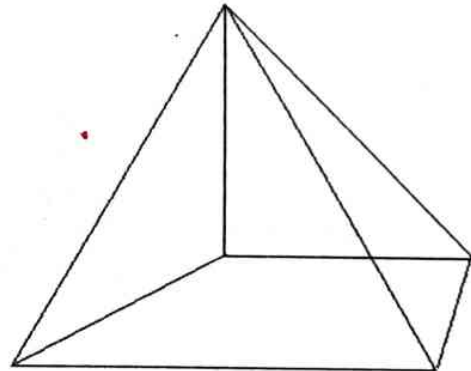


21. Mohit went for swimming at 2 : 30 pm and returned back home 3.5 hours later. The time he came back home is –

- (a) 5 : 30 pm (b) 6 : 00 pm (c) 6 : 30 pm (d) 5 : 00 pm

22. How many vertices does the pyramid have?

- (a) 4 (b) 5 (c) 6 (d) 8



23. There are _____ tens in 36520.

- (a) 12 (b) 36 (c) 365 (d) 3652

24. There are 3 rows of strawberry plants. Each row has 6 plants. How many strawberry plants are there in all?

- (a) 9 (b) 18 (c) 22 (d) 24

25. Ram, Rahul and Rohit shared a bag of marbles. The bag contained 272 marbles. How many marbles were left over after the friends shared them equally?

- (a) 90 (b) 91 (c) 6 (d) 2

26. There were 3856 trees in a forest. In other forest there were 4795 TREES. How many more trees were there in the second forest?

- (a) 930 (b) 939 (c) 1689 (d) 1600

27. If $A + B = 42$ and $B = 8$, then the values of A is –

- (a) 12 (b) 33 (c) 13 (d) 34

28. Which of the following is the best estimate for how much a person weighs?

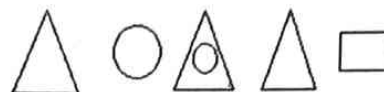
- (a) grams (b) kilograms (c) milligrams (d) decigrams

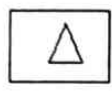
29. Fill the pattern - 79, 80, _____, _____

- (a) 77, 76 (b) 81, 82 (c) 77, 80 (d) 81, 90

30. Complete the pattern - 

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

31. What will come next in the sequence ? 

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

32. Complete the pattern - 5, 10, _____, _____, _____, 30, 35

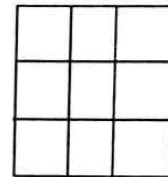
- (a) 15, 20, 30 (b) 20, 30, 40 (c) 15, 20, 25 (d) 20, 25, 30

33. To get the predecessor of $7 + 8$, what should be subtracted from 21 ?

- (a) 1 (b) 15 (c) 7 (d) 8

34. How many squares are there in the figure?

- (a) 9 (b) 12 (c) 13 (d) 14



35. The time is now 12 : 40 pm. What was the time 50 minutes back?

- (a) 11 : 50 am (b) 11 : 50 pm (c) 1 : 30 pm (d) 1 : 30 am

36. A person watched TV from 11 : 45 am to 1 pm. For how long did he watch TV?

- (a) 1 hr 30 mins (b) 1 hr 15 mins (c) 1 hr 45 mins (d) 1 hr 25 mins

37. We use subtraction when we have to find out how many more to be _____ to get the given number.

- (a) added (b) subtracted (c) multiplied (d) divided

38 Find the missing number - $9999 = 9000 + \underline{\hspace{1cm}} + 9$

- (a) 990 (b) 99 (c) 909 (d) 9

39. The lowest number which when divided by 9, 18, 12 leaves the remainder of 3 in each case is -

- (a) 36 (b) 39 (c) 32 (d) 9

40. Riddhima had 9m of cloth, she used 240 cm to sew a dress and 395 cm to sew a bag. What is the length of the cloth she had left?

- (a) 265 cm (b) 275 cm (c) 315 cm (d) 325 cm

41. The tank of a car can hold 75 ltr of petrol. If Ram fills it with 35 ltr 250 ml, how much more petrol can the tank hold?

- (a) 49 ltr 750 ml (b) 35 ltr 750 ml (c) 79 ltr 350 ml (d) 39 ltr 750 ml

42. Divide 12 balls into groups of 4. How many groups can be formed?

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

43. Which is not a way to show 97 ?

- (a) 9 tens 7 ones (b) $90 + 7$ (c) $9 + 7$ (d) 8 tens 17 ones

44. One starfish has 5 arms. How many arms do 5 starfish have?

- (a) 15 (b) 25 (c) 30 (d) 3

45. How much to be added to 850 m to make it equal to 1 km?

- (a) 150 m (b) 115 m (c) 250 m (d) 125 m

46. If $L - 77 = M - 77$, then which one of the followings is correct?

- (a) $L < M$ (b) $L > M$ (c) $L = M$ (d) $L \neq M$

47. Riya is 132 cm tall and Raima is 15 cm taller than Riya. How tall is Raima?

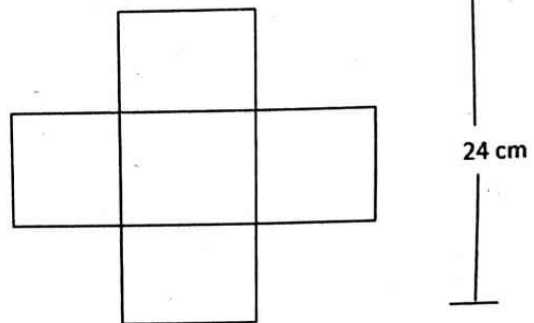
- (a) 175 cm (b) 170 cm (c) 180 cm (d) 147 cm

48. 78 thousands and 3 tens is the same as –

- (a) 78030 (b) 78003 (c) 7830 (d) 783

49. Below figure, is made up of 5 equal squares. Find the perimeter of the figure.

- (a) 48 cm (b) 78 cm (c) 96 cm (d) 104 cm



50. The perimeter of a rectangle is 48 cm. Its length is 3 times as long as its breadth. Find its area.

- (a) 68 cm^2 (b) 84 cm^2 (c) 98 cm^2 (d) 108 cm^2