

Brihan Mumbai Ganit Adhyapak Mandal, Mumbai

Date : 26-7-2025

Maths Concept Exam 2025

Time : 3 p.m. to 5 p.m.

Std. : V/VI

Marks : 100

- Instructions :
- 1) Question paper and answersheet are separate.
 - 2) Rough work is to be done in the space provided in each page of the question paper.
 - 3) Do not fold the answersheet.
 - 4) Colour the correct alternative with the ball-pen as follows.

For Example : How many days does the month of March have ?

A) 30 B) 31 C) 29 D) 28

Correct answer is B; so B should be coloured as shown below.

A) **B)** C) D)

1. Write in numerals - Eighty-nine thousand five.
(A) 8,90,005 (B) 8,905 (C) 89,005 (D) None of these
2. What is the difference between the place values of the underlined digits of the number, 59,903 ?
(A) 0 (B) 8,100 (C) 100 (D) 1,000
3. What is the correct breakup of 9,723 ?
(a) Nine thousands, seven hundreds, two tens, three units.
(b) Ninety-seven hundreds, two tens, three units.
(c) Nine hundred seventy-two tens, three units.
(d) Ninety-seven hundred twenty-three units.
(A) All correct (B) b, c, d (C) a, b (D) a, c, d.
4. Write down the number from the digits and their places.
7TTh, 5Th, 4H, 2U
(A) 7,542 (B) 75,402 (C) 70,542 (D) 7,05,402

5. Write the number 60,503 in expanded form.

(A) $60 + 5 + 0 + 3$

(B) $60 + 500 + 3$

(C) $60,000 + 50 + 3$

(D) $60,000 + 500 + 00 + 3$

6.



In the adjoining figure,

What is the type of the angle between two hands of the clock?

(A) Acute angle

(B) Right angle

(C) Straight angle

(D) Obtuse angle

7. A triangle is made of wire. If the sides of the triangle are 4.5 cm, 6 cm and 3 cm, what is the length of the wire?

(A) 81 cm

(B) 5.4 cm

(C) 13.5 cm

(D) 40.5 cm

8. Write the following numbers in ascending order -

79,038, 97,830, 98,730, 90,378

(A) 98,730, 97,830, 90,378, 79,038

(B) 79,038, 90,378, 97,830, 98,730.

(C) 97,830, 98,730, 90,378, 79,038

(D) 79,038, 98,730, 90,378, 97,830

9. Complete the given pattern—

2, 9, 16, _____, 30, _____, 44

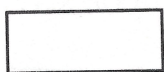
(A) 23, 37

(B) 27, 34

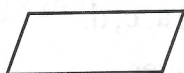
(C) 21, 35

(D) None of these

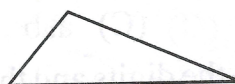
10. Which of the following figures are symmetrical?



a



b



c



d

(A) a, b

(B) a, b, c

(C) a

(D) All four

11. Which of the following numbers is less than one lakh by 100?

99,900, 99,090, 99,990, 99,890

(A) 99,090 (B) 99,900 (C) 99,890 (D) 99,990

12. $\frac{3}{4}$ dozen equal to how many articles ?

(A) 8 (B) 6 (C) 3 (D) 9

13. In the following addition, which digits replace P, Q ?

$$\begin{array}{r} 6\ P\ 7\ 2 \\ +\ 3\ 4\ 8\ 9 \\ \hline Q\ 9\ 6\ 1 \end{array}$$

(A) P=9, Q=8

(B) P=9, Q=4

(C) P=5, Q=8

(D) P=4, Q=9

14. Add -

$$6,392 + 50,387 = ?$$

(A) 1,14,307 (B) 1,14,207 (C) 5,06,779 (D) 56,779

15. Subtract -

$$50,802 - 32,815 = ?$$

(A) 18,097 (B) 17,987 (C) 17,997 (D) 28,097

16. The side of a square is a whole number. Which of the following can be the perimeter of the square ?

(A) 17 cm (B) 52 cm (C) 25 cm (D) 42 cm

17. What is the meaning of time 'a quarter to 12' ?

(A) 15 minutes past 12

(B) 15 minutes past 11

(C) 25 minutes past 11

(D) 45 minutes past 11

18. Compare the following fractions by using proper sign in the box.

$$\frac{5}{7} \quad \square \quad \frac{5}{11}$$

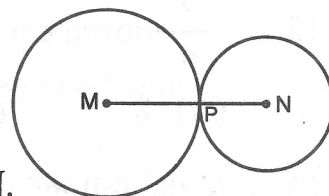
(A) < (B) > (C) = (D) Can't say

19. In the adjoining figure, two circles are there with centres M and N.

Points M, P, N are on one and the same line. MP and NP are the radii.

Diameter of the circle with centre M is 12cm,

and diameter of the circle with centre N is 6 cm. Find the length of MN.



(A) 9 cm (B) 5 cm (C) 8 cm (D) 7 cm

20. What will be the digit in unit's place in the following product ?

$$11 \times 12 \times 13 \times 14 \times 16 \times 17$$

(A) 7 (B) 6 (C) 9 (D) 8

21. If the following fractions are written in descending order, then what is the second fraction?

$$\frac{4}{12}, \frac{4}{9}, \frac{4}{13}, \frac{4}{7}, \frac{4}{5}$$

(A) $\frac{4}{7}$ (B) $\frac{4}{12}$ (C) $\frac{4}{9}$ (D) $\frac{4}{5}$

22. How many odd numbers are there in the following numbers ?

5732, 6903, 86421, 5555

(A) 2 (B) 1 (C) 3 (D) All

23. How many even numbers are there between 1 and 75 ?

(A) 17 (B) 73 (C) 75 (D) 37

24. A tank can hold maximum 35 liters of water. If it is filled with 15 liters of water, what portion of the tank is empty ?

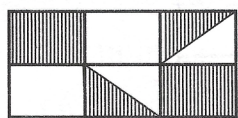
(A) $\frac{3}{7}$ (B) $\frac{5}{7}$ (C) $\frac{2}{7}$ (D) $\frac{4}{7}$

25. 17 boys are standing in each of the 17 rows. If one boy joins each of the 17 rows, then find the total number of boys.
(A) 289 (B) 324 (C) 306 (D) 269
26. Arun is standing on the 17th step of a staircase from the bottom. If it is the 13th step from the top, how many steps are there to the staircase ?
(A) 30 (B) 29 (C) 28 (D) None of these
27. I want the change of ₹ 5 in 50 paise coins, 1 rupee coins and 2 rupee coins. What will be the minimum number of coins with all the three denominations ?
(A) 4 (B) 3 (C) 5 (D) 6
28. If the length of a rectangle is 12 cm and its breadth is 8 cm, find its perimeter.
(A) 20 cm (B) 40 cm (C) 8 cm (D) 16 cm
29. Rita's father went on tour on 23-2-2024 and came home on 2-4-2024. How long was he away from home ?
(A) 38 days (B) 37 days (C) 36 days (D) 39 days
30. Find the product :- 593×37
(A) 21,931 (B) 20,941 (C) 21,941 (D) 20,931
31. Anagha had 60 rupees. If she gave a quarter of that amount to her brother, how much did he get ?
(A) 45 rupees (B) 15 rupees (C) 12 rupees (D) 30 rupees
32. How to write the following fraction ?
Fourteen and three quarters.
(A) $14\frac{3}{4}$ (B) $14\frac{1}{4}$ (C) $14\frac{1}{2}$ (D) None of these

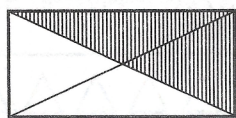
33. A birthday boy distributed a sweet-box weighing 250 grams to each of his friends in his class. How many friends were there if he had 14kg sweets ?
(A) 60 (B) 85 (C) 70 (D) 56
34. The length of the longest chord of a circle is 15 cm.
Find the diameter of that circle.
(A) 12 cm (B) 15 cm (C) 7.5 cm (D) none of these.
35. 28th February 2024 was on Friday. What was the day on 1st February 2024 ?
(A) Saturday (B) Sunday (C) Friday (D) Thursday
36. Ashok had 5 notes of Rs.10, 3 notes of Rs.5, 2 notes of Rs. 2, 1 note of Re. 1 and three coins of 50 paise. Find the total amount with him.
(A) Rs. 61.50 (B) Rs. 71.50 (C) Rs. 72.50 (D) Rs. 62.50
37. One metre ribbon is cut into 11 equal parts. What is the length of the remaining part of the ribbon?
(A) 9 cm (B) 9 m (C) 1 cm (D) 10 cm
38. A train left Pune at quarter past 8 a.m. and reached Mumbai at quarter to 1 p.m. What was the total time of journey?
(A) 5 hours (B) 4 hours (C) $4\frac{1}{2}$ hours (D) $3\frac{1}{2}$ hours
39. Amar bought a table for ₹ 8,530 and a chair for ₹ 5,750. How much more did the table cost than the chair?
(A) ₹ 3,230 (B) ₹ 3,880 (C) ₹ 2,780 (D) None of these

40. Mai bought 8 liters of milk and distributed 200 ml milk to each child in the Ashram. How many children were there in the Ashram ?
 (A) 32 (B) 40 (C) 64 (D) 16
41. From the amount Rs. 3,500, $\frac{2}{5}$ part was given to Raju and remaining amount was given to Ram. How much amount did Ram get ?
 (A) Rs. 1,400 (B) Rs. 2,100 (C) Rs. 2,800 (D) Rs. 1,100.
42. In a school there are 2,512 boys and 1,818 girls. How many total students are there in that school ?
 (A) 3,030 (B) 4,320 (C) 3,320 (D) 4,330
43. In a tree plantation campaign, 4,800 Gulmohar trees and 2,707 Eucalyptus trees are planted. How many more Gulmohar trees are there, than Eucalyptus trees ?
 (A) 2,903 (B) 2,390 (C) 2,093 (D) 2,309

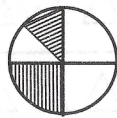
44. Which of the following figures shows shaded $\frac{1}{2}$ part?



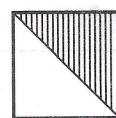
a



b



c



d

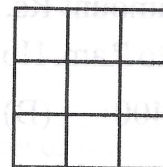
- (A) a, d (B) a, b (C) b, d (D) a, b, d

45. Solve:
 $5,170 + 3,786 - 7,294 = ?$
 (A) 1,762 (B) 1,642 (C) 5,910 (D) 1,662
46. When a number is divided by 7, the quotient is 16 and the remainder is 3.
 Find the number.
 (A) 55 (B) 123 (C) 115 (D) none of these.

47. Somu bought 2 kg potatoes, one and a quarter kg onions; and 3 quarter kg tomatoes. what is the total weight of the vegetables ?

(A) 4 kg (B) 3 kg 3 quarters (C) 5 kg (D) 3 kg 250 grams

48. How many maximum squares are there in the adjoining figure ?



(A) 9 (B) 13 (C) 14 (D) 10

- 49 & 50 In a library, there are some books in three languages. (Each Δ = 100 books.)
Read the following data and answer the questions given below :

Language/books	Number of books
Marathi	$\Delta \Delta \Delta \Delta \Delta \Delta \Delta \Delta$
Hindi	$\Delta \Delta \Delta \Delta \Delta \Delta$
English	$\Delta \Delta \Delta \Delta \Delta \Delta \Delta \Delta \Delta \Delta \Delta \Delta$

49. How many more books in English are there than Marathi ?

(A) 30 (B) 300 (C) 3,000 (D) 400

50. What is the total number of books in the library?

(A) 2,500 (B) 25,000 (C) 2,400 (D) 3,000
