C M O

CHINMAYA MATHEMATICS OLYMPIAD

SAMPLE PAPER

2

Please fill the following details immediately

Name: _____

Hall Ticket No.:_____

❖ **50 Questions** ❖

❖ **Time Allowed : 120 Minutes** ❖

❖ **Do not open this question paper until the signal is given.**

❖ **Please check the CLASS printed on the cover page and the inside is same when you open the booklet.**

General Instructions:

1) All questions are compulsory and carry equal marks.

2) There is no negative marking.

3) There is only one correct answer hence write one choice only.

4) Please avoid cutting/overwriting etc.

5) Return the paper to the invigilator at the end of the examination.

6) Write the correct option in the ⟶ ☐

1) Complete the following:

a]   b]   c]   d]

2) Which of the following clocks shows 3 hours more than 5 O'Clock?

a]   b]   c]   d]

3) If Rani is taller than Soni, Soni is shorter than Moni and Moni is taller than Rani. Who is the shortest?
   a] Soni   b] Moni
   c] Rani   d] Cannot be determined

4) If the day before yesterday was Tuesday, then what will be the day tomorrow?
   a] Thursday b] Friday c] Wednesday   d] Saturday

Rough Work

5) How can we make a line segment look smaller without using an eraser?

A_____B

a] By colouring it.
b] By cutting it.
c] By shading it.
d] By drawing a line larger than it.
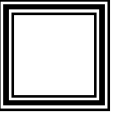
6) If Anil has 3 boxes containing 4 chocolates each and he wants to distribute between his two friends, then how many chocolates will each friend get?
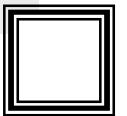
a] 4   b] 6   c] 12   d] 8
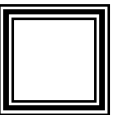
7) Roni invited his friends to his birthday party. He arranged the square tables for them. Each side of the table can seat only one person as shown below. If four tables are arranged in a row, how many seats will be there?

a] 16   b] 14   c]12   d] 4

Rough Work

8) In a flower vase, there are 30 roses. If out of 30 , 24 roses are white, how many roses are not white?

a] 6   b] 4   c] 8   d] 12

9) Seeta and Geeta have 30 toys each. Seeta gives some toys to Geeta and Geeta now has 45 toys. How many more toys does Geeta have than Seeta?

a] 20   b] 30   c] 10   d] 15

10) Tina is 7 years old. Her grandmother is 72 years old. How many years is Tina's grandmother older than Tina?

a] 55 yrs.   b] 56yrs.   c] 60 yrs.   d] 65 yrs.

11) 41 more than double of 30 is

a] 101   b] 142   c] 72   d] 140

12) Insert the correct sign (+ , – , x) to make the following number equations correct.

| 6 ☐ 8 = 48 | 7 ☐ 19 = 26 | 28 ☐ 12 = 16 |

a] + , x , –   b] x , + , –   c] x , – , +   d] + , – , x

Rough Work

13) Aditi makes a glass of juice from 4 oranges. For 6 glasses of juice, Aditi needs _____ oranges.

a] 25   b] 30   c] 24   d] 20

14) 7 hundreds 3 tens and 9 ones = _____

a] 739   b] 793   c] 397   d] 937

15) What is one less than the largest number among the given number?

665 , 762 , 656, 426

a] 761   b] 666   c] 462   d] 566

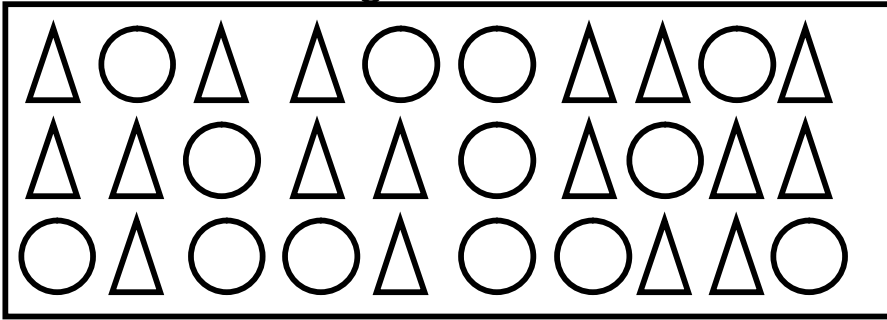16) Which set of numbers will give the greatest answer?

P 5+5   Q 8+5   R 5+2   S 5+4

a]P   b]Q   c]R   d]S

17) 5 groups of _____ makes 25.

a] 4   b] 5   c] 3   d] 1

Rough Work

18) What is the difference between the number of circles and triangles in the box?

△ ○ △ △ ○ ○ △ △ ○ △
△ △ ○ △ △ ○ △ ○ △ △
○ △ ○ ○ △ ○ ○ △ △ ○

a] 4   b] 3   c] 0   d] 5
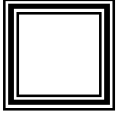
19) Robin has 20 marbles, Robert has 5 marbles more than Robin. Find the total number of marbles they both have.

a] 45   b] 25   c] 55   d] 35
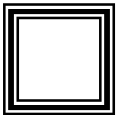
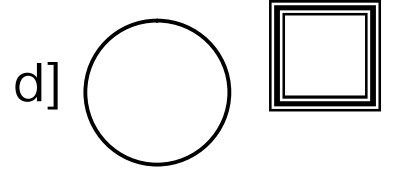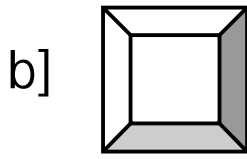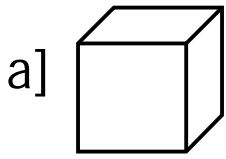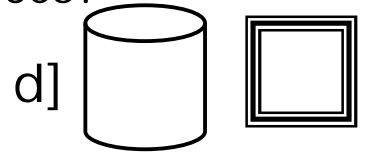20) There are 9 bicycles parked in a parking area. How many wheels are there altogether?

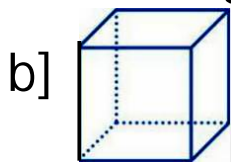a] 12   b] 15   c] 18   d] 20
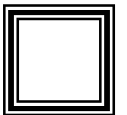
Rough Work

21) Which of the following figures does not have any corner?

a] 　　b] 　　c] 　　d]

22) Which of the following figures has 6 faces?
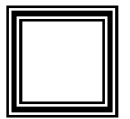
a] 　　b] 　　c] 　　d]
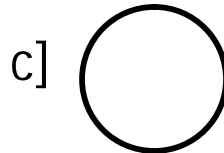
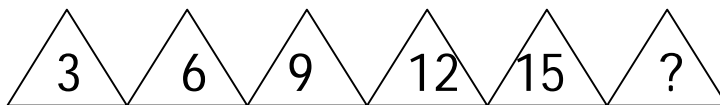23) I am an even number. I am greater than 64 but less than 68. What number am I?

a] 64　　　　　b] 66　　　　　c] 68　　　　　d] 70

24) Which of the following numbers will replace the question mark?
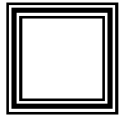
| 3 | 6 | 9 | 12 | 15 | ? |

a]22　　　　　b]18　　　　　c] 21　　　　　d] 23

Rough Work

25) How many flowers did the florist sell in the month of January?

✿ = 8 flowers	
January	✿ ✿✿✿✿
February	✿✿✿✿
March	✿✿✿

a] 32   b] 24   c] 40   d] 8 ☐
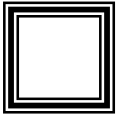
26) Match the keys with the locks.

a] 23   b] 20

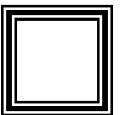c] 21   d] 27

52–29 ☐
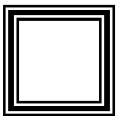
27) _____ is the shortest month of the year. ☐

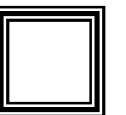   a] April   b] February   c] May   d] November

28) A _____ has all the sides equal. ☐

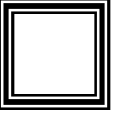   a] square   b] circle   c] rectangle   d] triangle

Rough Work

29) Heena went to 4 book stores to buy books. She bought 8 books from each store. How many books did she have in all?
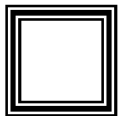
  a] 12   b] 4   c] 8   d] 32

30) The balloon seller had 45 balloons at the start of the day. He sells 25 balloons in a day. 8 balloons burst. How many balloons does he have left?

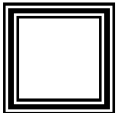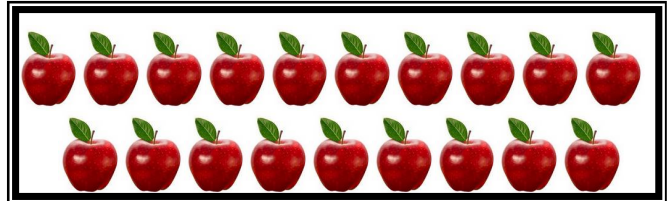 a] 20   b] 70   c] 12   d] 8

31) Yash, Aditya and Nikhil share 36 pens equally. How many pens does each one get?

  a] 12   b] 6   c] 8   d] 4

32) Make 5 apples in each group of the given apples. How many groups are formed and how many apples are left?

  a] 3 groups & 4 apples
  b] 4 groups & 3 apples
  c] 3 groups & 3 apples
  d] 4 groups

Rough Work

33) Some children stand in a row as shown below

A   B   C   D   E

Who is THIRD from the right?

a] B   b] C   c] D   d] E

34) Distance between Kashmir and Kanyakumari is measured in

a] m   b] km   c] cm   d] litres

35) The next number in the series

404 , 408 , 412 , 416 , ……….

a] 420   b] 425   c] 440   d] 400

36) Which of the following number has five in tens place?

a] 525   b] 596   c] 458   d] 945

Rough Work

37) If tomorrow is Monday, what was the day before yesterday?

a]Saturday   b] Tuesday

c] Wednesday   d] Friday

38) Which digit should come in place of □, so that the following addition is correct?

$$
\begin{array}{r}
4\,\square \\
+\,2\,9 \\
\hline
7\,0 \\
\end{array}
$$

a] 4   b] 1   c] 3   d] 2

39) A five hundred rupee note = ___hundred rupee notes.

a] 10   b] 50   c] 5   d] 15

40) If one bag cost Rs. 25/-. How many bags can be bought for Rs.125/-?

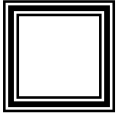a] 5   b] 4   c] 10   d] 2

Rough Work

41) I am thinking of a number. When I double it and add 9 to the result the answer is 29. What is the number I am thinking of?

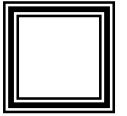a]38   b]37   c]10   d]29

42) Write the numbers whose product is equal to their sum.

a] 2 and 2   b] 2 and 3
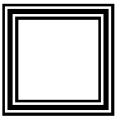
c] 3 and 4   d] 4 and 4

43) Successor of smallest 3- digit number formed using 7, 0 , 1 is _____.
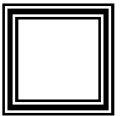
a] 702   b] 110   c] 107   d] 108

44) Mitali is having a party. She has invited 55 children to her party. 9 children did not come. Now there are _____ children altogether. Don't forget Mitali!
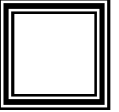
a] 47   b] 46   c] 48   d] 40
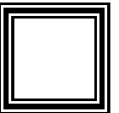
Rough Work

45) A pineapple costs Rs.30 each. Raju spends Rs.120 How many pineapples did he purchase?

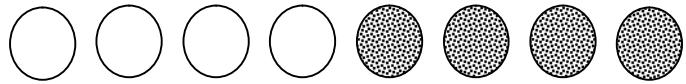   a] 3   b] 5   c] 4   d] 6

46) I am thinking of a number , whose factors are 7 and 6 . Find the number .
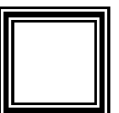
   a] 24   b]13   c]42   d] 1

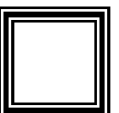47) A collection of 8 balls. four balls are coloured.

   Fraction = _____   ○○○○●●●●

   a] 8/4   b] 14/8   c] 2/4   d] 8/2

48) The number name for 35 + 6 is _____.
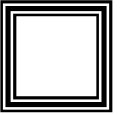
   a]forty one   b]thirty nine

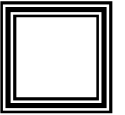   c]forty   d]fourteen

Rough Work

49) Six litres of oil added to two litres of oil will make
_____ of oil.

   a] 4 litres   b] 8 litres   c] 6 litres   d] 10 litres

50) I have 6 square faces , 12 edges , and 8 vertices. All
my edges are of the same length. I am a_____

   a] cuboid   b]cube   c] sphere   d] cylinder

Rough Work