10th iOM ▼ 17
International Olympiad of
Mathematics

Organized by:
Mathematics Olympiad Foundation
New Delhi, India
For supremacy in Mathematics
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Presented by:
SILVER ZONE FOUNDATION
NEW DELHI · INDIA

CLASS : 5 (SYLLABUS & SAMPLE QUESTIONS)

Number Sense & Numeration, Operation on Numbers, Roman Numerals, Factors and Multiples, Fractions, Decimals, Geometrical Concepts, Area and Perimeter of Geometrical Figures, Graphical Repre sentation of Data, Number Series, Applied Mathematics, Reasoning & Aptitude.

The Actual Question Paper Contains 50 Questions. The Duration of the Test Paper is 60 Minutes.

1. **For long distance telephone calls, a telephone company charges 30 paise per minute or 1 paisa for two seconds. What would be the cost of a call for 3 minutes and 20 seconds?**
   (A) ₹ 1.00
   (B) ₹ 1. 20
   (C) ₹ 1. 25
   (D) ₹ 1. 30
   (E) None of these

2. **Using the digits 0, 1, 2, 3 make the least four digit number and represent the number with the help of a Roman Numeral. Digit should not be repeated.**
   (A) MXXIII
   (B) MCXII
   (C) CMXXIII
   (D) MMMCCX
   (E) None of these

3. **Find the perimetre of the given figure.**

(A) 12 m   (B) 18 m
(C) 9 m   (D) 17 m
(E) None of these

4. **During a 3 - day festival, the number of visitors increases three times each day. If the festival ended on day 3 with 3105 visitors on that day, then how many visitors attended on day 1?**
   (A) 315   (B) 330
   (C) 345   (D) 360
   (E) 375

5. **A number has 5 hundreds, 7 tens, 2 ones, 3 tenths, 6 hundredths and 5 thousandths. Write the number.**
   (A) 572365
   (B) 57236.5
   (C) 5723.65
   (D) 572.365
   (E) None of these

6. **X is a decimal, when X is converted into fraction, it gives $\dfrac{25}{4}$. Find the value of X.**
   (A) 6.50
   (B) 6.25
   (C) 6.35
   (D) 7.25
   (E) None of these

7. A is twice of B, B is twice of C, C is twice of D and D is twice of E then
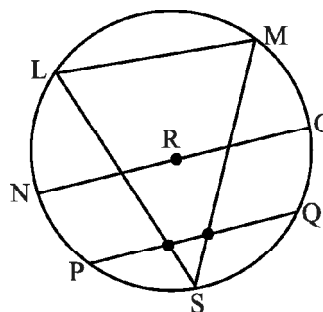(A) B = 4E (B) B = E
(C) B = 8E (D) B = 6E
(E) None of these

8. M = 34, O = 23, N = 45, K = 21, E = 7, Y = 24 then what is the value of M + O - N × K ÷ E + Y?
(A) 7256 (B) - 45
(C) - 54 (D) - 345
(E) None of these

9. If XYZ = 789 and ABC = 123, then BAXY = ?
(A) 1239 (B) 9876
(C) 2178 (D) 3789
(E) None of these

10. How many chords and radii have been shown in the given circle?

(A) 6, 5 (B) 5, 7
(C) 5, 2 (D) 2, 5
(E) None of these

ANSWERS									
1. (A)	2. (A)	3. (B)	4. (C)	5. (D)	6. (B)	7. (C)	8. (C)	9. (C)	10. (C)