International Maths Wizard Olympiad (IMWO)

CLASS-7 SAMPLE QUESTION PAPER

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

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1. **By how many kg is 850 g greater than 255800 mg?**
   (A) 0.005942 kg
   (B) 0.05942 kg
   (C) 0.5942 kg
   (D) 5.942 kg
   (E) None of these

2. **Out of sixteen observations arranged in an ascending order the 8th and 9th observations are 25 and 27 respectively. The mean will be:**
   (A) 26
   (B) 27
   (C) 25
   (D) 26.5
   (E) None of these

3. **If the product of 5 integers is negative then which of the following statement is not true about the integers?**
   (A) 2 are negative, 3 are positive
   (B) 3 are negative, 2 are positive
   (C) 5 are negative
   (D) 4 are positive, 1 is negative
   (E) None of these

4. **In a bar graph, the widths of bars**
   (A) Have no significance
   (B) Are proportional to the corresponding heights
   (C) Are proportional to the corresponding frequencies
   (D) Are proportional to the space between two consecutive bars
   (E) None of these

5. **The following triplets represent the lengths (in cm) of the sides of a triangle. The triplet that does not make a right triangle is**
   (A) 5, 12, 13
   (B) 3, 4, 5
   (C) 7, 13, 14
   (D) 8, 15, 17
   (E) None of these

6. **If the mode of 3, 5, 6, 5, 7, 7, 4, 6, 4, x – 3 is 7, then the value of x is _____.**
   (A) 7
   (B) 10
   (C) 6
   (D) 5
   (E) None of these

7. **Radha bought a dozen notebooks for ₹ 136.20. If she has to buy 5 more note books, then how much more money will she have to pay to the shopkeeper?**
   (A) ₹ 66.75
   (B) ₹ 56.75
   (C) ₹ 55.75
   (D) All of these
   (E) None of these

8. **Find the mean of 1^2, 2^2, 3^2, 4^2, 5^2.**
   (A) 9
   (B) 10
   (C) 11
   (D) All of these
   (E) None of these

9. **If the difference between the circumference and the radius of the circle is 18.5cm, then the area of the circle is:**
   (A) 57.75 cm²
   (B) 38.5 cm²
   (C) 19.25 cm²
   (D) 12.85 cm²
   (E) None of these

10. **If a = 1 and b = 2, then the value of $\left[\dfrac{1}{a^a} - \dfrac{1}{b^b}\right]$ is**
    (A) $\dfrac{3}{4}$
    (B) $\dfrac{-1}{4}$
    (C) $\dfrac{5}{4}$
    (D) All of these
    (E) None of these