International Olympiad of Mathematics- iOM'17



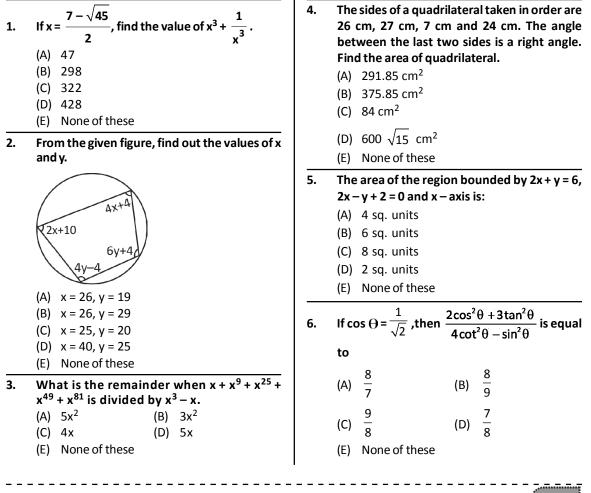




CLASS : 9 (SYLLABUS & SAMPLE QUESTIONS)

Real Numbers, Polynomials, Logarithms, Linear Equation in Two Variables, Line & Angles, Triangles, Quadrilaterals, Area of Triangles, Parallelograms & Circles, Trigonometric Ratios & Identities, Mensuration, Statistics, Probability, Coordinate Geometry, Applied Mathematics, Verbal & Non-verbal Reasoning.

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



International Olympiad of Mathematics- iOM' 17

- 7. An aeroplane leaves an airport and flies due north at a speed of 1000 km/h. At same time, another plane flies due west at a speed of 1200 km/h from the same place. The approximate distance between the two planes after 1.5 hours will be:
 - (A) 2400 km (B) 2520 km
 - (C) 2343 km (D) 2434 km
 - (E) None of these

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- If O is the centre of the circle, then measure of ∠QPM in the following figure is:
 - → 6 cm 65 Ρ O Ó 50[°] > r = 2 cm Μ (A) $8\pi \text{ cm}^3$ (B) $4\pi cm^3$ (A) 65° 50° (B) (C) $2\pi \text{cm}^3$ (D) $12\pi \text{ cm}^3$ (C) 40° (D) 72° (E) None of these (E) None of these *సం*చిల్లంల్

9.

baby is:

(A) 1 year

(C) 2.5 years

(E) None of these

following figure is:

Three years ago, the mean age of Harison's

family of 5 members was 17. A baby having

been born, the average age of his family

remains same today. The present age of the

10. The volume of the shaded region in the

(B) 1.5 years

(D) 2 years

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