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Testing Questions (A)Testing Questions (B); 9 Sides and Angles of a Triangle; Basic Knowledge; Examples; Testing Questions (A); Testing Questions (B); 10 Pythagoras' Theorem and Its Applications; Examples; Testing Questions (A); Testing Questions (B); 11 Congruence of Triangles; Basic Criteria for Congruence of Two Triangles; Examples; Testing Questions (A); Testing Questions (B); 12 Applications of Midpoint Theorems; Examples; Testing Questions (A); Testing Questions (B); 13 Similarity of Triangles; Criteria for Similarity of Two Triangles; Basic Properties of Two Similar Triangles
Important Proportional Properties of SegmentsExamples; Testing Questions (A); Testing Questions (B); 14 Areas of Triangles and Applications of Area; Basic formulae for area of a triangle; Comparison of areas of triangles; Examples; Testing Questions (A); Testing Questions (B); 15 Divisions of Polynomials; Examples; Testing Questions (A); Testing Questions (B); Solutions to Testing Questions; Solutions to Testing Questions 1; Testing Questions (1-A); Testing Questions (1-B); Solutions to Testing Questions 2; Testing Questions (2-A); Testing Questions (2-B); Solutions to Testing Questions 3
Testing Questions (3-A)Testing Questions (3-B); Solutions to Test questions 4; Testing Questions (4-A); Testing Questions (4-B); Solutions to Testing Questions 5; Testing Question (5-A); Testing Questions (5-B); Solutions to Testing Questions (6); Testing Questions (6-A); Testing Questions (6-B); Solutions to Test Questions 7; Testing Questions (7-A); Testing Questions (7-B); Solutions to Testing Questions 8; Testing Question (8-A); Testing Questions (8-B); Solutions to Testing Questions 9; Testing Questions (9-A); Testing Questions (9-B); Solutions to Testing Questions 10
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Sommario/riassunto

Olympiad mathematics is not a collection of techniques of solving mathematical problems but a system for advancing mathematical education. This book is based on the lecture notes of the mathematical Olympiad training courses conducted by the author in Singapore. Its scope and depth not only covers and exceeds the usual syllabus, but introduces a variety concepts and methods in modern mathematics. In each lecture, the concepts, theories and methods are taken as the core. The examples are served to explain and enrich their intension and to indicate their applications. Besides, appropriate num