

**Atlantic-Pacific League  
Contest Topics  
2009-2010**

**Elementary:**

- Contest 1: Median, decimal multiplication, scientific notation, prime numbers, LCM and GCF
- Contest 2: Square root, volume of prism, prime factorization, decimal percents, prime numbers, faces/vertices/edges of prism
- Contest 3: Patterns, division of fractions, percent, evaluating expressions
- Contest 4: Triangle inequality, area, perimeter, patterns
- Contest 5: Average, simplifying expressions, angles in a triangle, probability
- Contest 6: Solving equations, area/perimeter, scientific notation

**Middle/Junior:**

- Contest 1: Percent, scientific notation, volume, prime numbers, probability, evaluating expressions
- Contest 2: Probability, system of equations, base notation, supplementary/complementary angles
- Contest 3: Function notation, percent, evaluating expressions, midpoint, average speed
- Contest 4: System of equations, base notation, area, obtuse triangles, slope, prime factorization
- Contest 5: Perimeter, average, fractional exponents, diagonals in a polygon, slope, geometric mean
- Contest 6: Quadratic equations, average(mean), area, square roots, exponents, simplifying expressions

**High School:**

- Contest 1: Exponents, radical equations, GCF, negative exponents, average speed
- Contest 2: Rate, system of equations, polynomial division, reflections
- Contest 3: Quadratic equations, systems of equations, sum of angles in a polygon, diagonals in a polygon, fractional exponents
- Contest 4: Special right triangles, absolute value equations, average, slope
- Contest 5: Right triangles, quadratic exponents, special right triangles, equation of circle
- Contest 6: Diagonals in a polygon, quadratic exponents, base conversion, circumference of a circle, interior/exterior angles in a polygon