

Math Kangaroo Curriculum for grades 5 and 6

1a. Geometry – plane geometry

- Points, lines, segments, circles, (special) triangles and (special) quadrilaterals
- Symmetry
- Perimeter and area of squares, rectangles and right triangles

1b. Geometry – solid geometry

- Only problems in solid geometry that allow an intuitive approach

2. Numbers and algebra

- Calculations with natural numbers
- Recognizing multiples of 2, 3, 5, 9 and 10
- Very easy calculations with positive rational numbers (fractions or decimals)
- Algebraic thinking without the use of formal algebraic notation
- Counting problems that do not involve any formulas
- Problems about decimal number system
- Easy problems with order between numbers (integers, decimal, fractions) and links with their representations (on graduate line, surfaces, ...)
- Very easy problems with percentages
- Metric system (length, weight, area, volume, temperature, time)
- Problems using time, distance and/or velocity

3. Logic

- Logical problems that can be solved in a limited number of steps or by analyzing a limited number of cases or hypotheses

