Math (Algebra)

Year 8

(70 hrs, 2 hrs/week)

Table of contents

Expected results

Pupil solves tasks implying:

- simplifying fractions; reducing a fraction to a common denominator; finding the sum, difference, multiplying and dividing fractions; solving tasks with a variable of fraction nominator; building y = k/x function graph;
- using the concept of arithmetic square root; extracting a multiplier from a square, adding a multiplier to a square; rationalizing a fraction nominator; building y = x2 та y = √x function graphs;
- finding roots of square equations; dividing a quadratic function into multipliers; finding the roots of equations reduced to square equations; making up and solving square equations and equations reduced to them.

Math (Geometry)

Year 8

(70 hrs, 2 hrs/week)

Table of contents

Expected results

Pupil solves tasks implying:

- usage of the learned definitions and features to solve tasks, specifically, to find distances on the land;
- solves right triangles;
- solves the tasks on: dividing a polygon into equal parts; polygon homogeneity, etc.