

MMT 2025

Math Applied To Science Olympiad (MATS/Primate)

Criteria Senior League

Problem 1: up to 11 points for estimating price coefficients; up to 11 points for finding boundary values of coefficients and cost based on them; up to 11 points for proving the minimum of the estimate and correct calculation.

Problem 2: up to 11 points for calculating the required amount of heat and heat fluxes, correctly written equation for heat flux power; 11 points for estimating heating time and final temperatures without accounting temperature difference change, and 22 with obtaining a strict estimate.

Problem 3: 10 points for estimating the concentration in the first case; 24 points for a well-reasoned estimate with rigorous proof or exact calculation in the second case.