



Geometric Design Problem Solving

Today's Standard

HSG.MG.A3 - Apply geometric methods to solve design problems (e.g., designing an object or structure to satisfy physical constraints or minimize cost; working with typographic grid systems based on ratios).*

Cues	Notes
Geometric methods	Geometric methods involve using shapes, angles, and measurements to solve practical problems.
Design problems	Design problems can include creating structures, minimizing costs, and optimizing layouts.
Real-world applications	Geometry is used in various industries like engineering and architecture.
Multiple solutions	There can be multiple correct solutions to a design problem, each with its own advantages.
Case studies	Real-world examples help illustrate the application of geometric methods.

Summary

Geometric methods are essential for solving practical design problems in various industries. Students should explore multiple solutions and understand the real-world applications of geometry.