Scale Drawings and Geometric Figures

Today's Standard

7.G.A1 - Solve problems involving scale drawings of geometric figures, including computing actual lengths and areas from a scale drawing and reproducing a scale drawing at a different scale.

Cues	Notes
Scale factor	Scale factor affects both lengths and areas.
Geometric figures	Geometric figures can be scaled up or down.
Actual lengths	Compute actual lengths by multiplying the scale factor.
Areas	Compute actual areas by squaring the scale factor.
Unit conversion	Always include units in calculations to avoid errors.

Summary

Understanding scale drawings involves knowing how to compute actual lengths and areas from a scale drawing and how to reproduce a drawing at a different scale. It is important to consider both lengths and areas and to always use correct units.