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.

Real-World Applications for this Standard

Designing a blueprint for a house.; Creating a scale model of a building.; Mapping out a garden layout.; Planning a city park.; Drawing a scaled diagram of a room.

Today I Learned

Today, we learned about scale drawings. These are drawings that show objects smaller or larger than their actual size. We also learned how to find the real size of objects from these drawings.

Common Stumbling Blocks

Sometimes, kids think that the scale factor only changes lengths and not areas. This is not true because it changes both. Another problem is forgetting to change the units when changing the scale. Always remember to use the right units.

Quiz Me

- What is a scale drawing?
- How do you find the real size from a scale drawing?
- What changes when you change the scale factor?
- Why is it important to use the right units?
- Can the scale factor change the area of a shape?

Help Me

Scale drawings help us understand real objects by making them bigger or smaller on paper. For example, architects use scale drawings to design buildings. When you know how to read these drawings, you can see how big things will be in real life.