Decomposing Rectilinear Figures

Today's Standard

3.MD.C7d - Recognize area as additive. Find areas of rectilinear figures by decomposing them into non-overlapping rectangles and adding the areas of the non-overlapping parts, applying this technique to solve real world problems.

Real-World Applications for this Standard

Designing a garden layout; Planning a floor plan for a house; Creating a mosaic art piece; Calculating the area of different sections of a playground

Today I Learned

Today we learned how to find the area of shapes by breaking them into smaller rectangles and adding their areas together.

Common Stumbling Blocks

Sometimes kids think they should count overlapping parts twice, but that's not right. Also, they might think they can't find the area if the sides aren't whole numbers.

Quiz Me

- What is area?
- How do you find the area of a shape?
- What does it mean to decompose a shape?
- Why don't we count overlapping parts?
- Can you find the area if the sides are not whole numbers?

Help Me

To find the area of a shape, break it into smaller rectangles that don't overlap. Add the areas of these rectangles together to get the total area. You can use this to solve real-world problems like planning a garden or designing a floor plan.