



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.

Cues	Notes
What is area?	Area is the amount of space inside a shape.
How to decompose a shape?	Decomposing a shape means breaking it down into smaller, non-overlapping rectangles.
Why is non-overlapping important?	Non-overlapping parts ensure accurate total area calculation.
Real-world applications?	Applications include designing layouts, planning spaces, and solving practical problems.

Summary

Understanding area as additive allows students to calculate the area of complex shapes by breaking them down into smaller, non-overlapping rectangles. This skill has many real-world applications and is foundational for more advanced geometric concepts.