



### Understanding Angle Addition

#### Today's Standard

4.MD.C7 - Recognize angle measure as additive. When an angle is decomposed into non-overlapping parts, the angle measure of the whole is the sum of the angle measures of the parts. Solve addition and subtraction problems to find unknown angles on a diagram in real world and mathematical problems, e.g., by using an equation with a symbol for the unknown angle measure.

#### Real-World Applications for this Standard

Finding unknown angles in a clock face; Estimating angles in architecture and construction; Solving puzzles involving angles; Measuring angles in sports like basketball or soccer; Determining angles in art and design projects

#### Today I Learned

Today, we learned about how angles can be added together. If you split an angle into parts, the whole angle is the sum of those parts. This helps us solve problems where we need to find missing angles.

#### Common Stumbling Blocks

Sometimes, kids might think that the parts of an angle don't add up to the whole angle. Another tricky part is understanding that angles can't overlap when adding them together.

#### Quiz Me

- What is an angle?
- How do you measure an angle?
- What happens when you split an angle into parts?
- Can overlapping angles be added together?
- Why is it important to know how to add angles?

#### Help Me

Angles are everywhere! When you look at the corner of a book or a slice of pizza, you're seeing angles. By learning how to add angles, you can solve problems like figuring out how much space a shape takes up or how to design something cool.

