

## Perimeter of Polygons

### Today's Standard

3.MD.D.8 - Solve real world and mathematical problems involving perimeters of polygons, including finding the perimeter given the side lengths, finding an unknown side length, and exhibiting rectangles with the same perimeter and different areas or with the same area and different perimeters.

### Real-World Applications for this Standard

Designing a garden layout with specific perimeter requirements; Planning the fencing for a playground; Creating a floor plan for a room with given dimensions; Comparing different rectangular plots of land

### Today I Learned

Today, we learned how to solve problems involving the perimeter of polygons. This means we can find the distance around different shapes and even figure out missing side lengths.

### Common Stumbling Blocks

Some students might think that if two shapes have the same perimeter, they must have the same area. Others might mix up perimeter and area. Remember, perimeter is the distance around a shape, and area is the space inside it.

### Quiz Me

- What is the perimeter?
- How do you find the perimeter of a shape?
- Can two shapes have the same perimeter but different areas?
- What is the difference between perimeter and area?
- How do you find a missing side length if you know the perimeter?

### Help Me

The perimeter is the distance around a shape. We can use this to solve real-world problems like planning a garden or building a fence. Understanding perimeter helps us compare different shapes and figure out how much space we have.

