



## Partition Shapes into Equal Areas

### Today's Standard

3.G.A2 - Partition shapes into parts with equal areas. Express the area of each part as a unit fraction of the whole. For example, partition a shape into 4 parts with equal area, and describe the area of each part as  $\frac{1}{4}$  of the area of the shape.

### Real-World Applications for this Standard

Dividing a pizza into equal slices; Cutting a cake into equal pieces; Splitting a garden into equal sections for planting; Dividing a piece of paper for origami; Sharing a chocolate bar equally among friends

### Today I Learned

Today, we learned how to divide shapes into equal parts and describe each part as a fraction of the whole. For example, if we cut a pizza into 4 equal slices, each slice is  $\frac{1}{4}$  of the pizza.

### Common Stumbling Blocks

Sometimes, kids think that equal parts must look the same, but they don't have to. Another tricky part is understanding that it's the area that makes parts equal, not just the number of parts.

### Quiz Me

- What is a fraction?
- Can equal parts look different?
- How many equal parts are in a shape if each part is  $\frac{1}{4}$ ?
- Does the number of parts always mean they are equal?
- What makes parts of a shape equal?

### Help Me

When we divide things like pizza or chocolate into equal parts, each part has the same area. This helps us understand fractions. For example, if we cut a pizza into 4 equal slices, each slice is  $\frac{1}{4}$  of the whole pizza. We use this idea in many real-life situations, like sharing food or dividing spaces.