Activity 1d: Partitioning   Recommended Grades: 2-3

Activity Instructions

1. Give everyone a square and have them fold the paper to create a design that splits the square in half.

2. Have students and families exchange their design with one another.

3. They must decide if they agree that the design splits the square in half. Encourage students to use color coding to prove that they have split the square in half.

4. They can then talk through if they agree that the square has been split in half.

5. Third grade students could work on partitioning their squares into halves, thirds, fourths, sixths, eighths. For example, students partition a shape into 6 parts with equal areas and describe the area of each part as 1/6 of the area of the shape.

Virtual Game Link:
https://jamboard.google.com/d/1CosT-793Vsr9QfNmNKzfsB-Hm-4ZUg3oTM-diVFe7zE/copy

Family Prompts

- How can we partition the rectangle into halves, thirds, fourths?

- What fractional part is colored? How do you know? Justify and explain your thinking.

- Can you think of a different way to partition the rectangle into equal parts of the whole? How is _____'s design like/different from yours?

- Did you try a method that did not work? Why didn't it work? Would it ever work? Why or why not?