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Follow the adventures of a perfect square through the course of a week. See the square shredded and snipped, torn and ripped and how the pieces become something beautiful!

Ages: 3 to 9 years

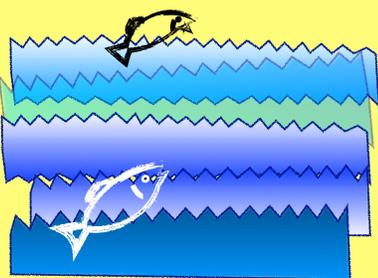
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Related Books: *The Greedy Triangle* by Marilyn Burns; *Mouse Shapes* by Ellen Stoll Walsh



Perfect Square

How many things can one perfect square turn into?

Math Connections:

Geometry

Shapes

Transformations

**Activities to Do Together:**

- Introduce the idea that objects are made from geometric shapes and combinations of shapes: squares, rectangles, triangles, and circles.
- Talk about polygons. They are 2-dimensional, closed geometric shapes made up of straight lines, like squares, rectangles and triangles.
- Talk about the attributes that make each shape unique. For example discuss the similarities and differences between a rectangle and a square.
- Make a square from tissue paper, then tear or cut it into different pieces and make something new by gluing the pieces onto another sheet of paper.

Vocabulary for Building Math Concepts:

corners, equal, four, matching, perfect square, sides, square

Extension Questions:

1. Is the main character in the story a perfect square? How do you know?
2. Which is your favorite shape? How is this shape different than other shapes?
3. Which images had the most pieces? Which had the fewest?
4. What polygons do you see in the bridge?
5. Which shapes in the fountain are polygons? Which are not?



Early Math Project Resources:

[Make a Perfect Square](#) (English)

[Hacer un Cuadrado Perfecto](#) (Spanish)

[Rope Shapes](#) (English)

[Formas de Soga](#)(Spanish)

[Perfect Polygons](#) (English)

[Polígonos Perfectos](#) (Spanish)

Online Resources:

[Perfect Square Shapes Art](#) from Pre-K Pages by Vanessa Levin

[Magical Adventures with a Perfect Square](#) from My Little Bookcase



