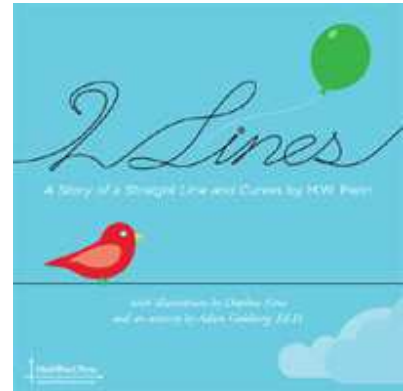


Connections and Common Core State Standards

1.G.2 Compose two-dimensional shapes (rectangles, squares, trapezoids, triangles, half-circles, and quarter-circles) to create a composite shape, and compose new shapes from the composite shape.



You will need a straight edge and a piece of paper.

Drawing intersecting straight lines:

Ask the children to draw a triangle with all sides the same length. In this activity they will learn that it's quite easy to draw the first two sides, but in order to have the third side equal the first two, they will have to adjust the angle between the first two sides, increasing it or decreasing it until the third side equals the other two.

Have the children make a copy of their triangle. Ask them to place the two equilateral triangles together to make a four sided figure. What shape have they made?

Have the children draw a square. Compare the square with the shape composed of two equilateral triangles.