

7.5 - Reasoning about Properties of Polygons - Mobile Activity

Purpose: To investigate the centroid of triangles and quadrilaterals.
To decorate the classroom!

Materials: Cardboard (or some other sturdy material)
String (fishing line, etc)
Weights (may be necessary depending of type of string)
Masking Tape
Rulers
Scissors

Procedure: 1 - Cut out at least 6 triangles and quadrilaterals of different dimensions.

2 - Calculate the centroid of each polygon.

3 - The centroid of one quadrilateral must be calculated using diagonals (trapezoid or kite).

4 - Ensure your shapes hang perfectly horizontal from a piece of string.

5 - Show all centroid calculations (the intersection of the bimedial and/or diagonal lines) on the bottom of each shape for easy viewing from ground level.

Due: _____

