## Alternate Explore: Cut Out Shapes B

Using the template attached, cut out three copies of each polygon using heavy paper (such as Bristol board) or cardboard.
Try the following combinations of polygons to see if you can create a tessellation. Trace your polygons as you go.

Combination 1: triangles and squares
Combination 2: pentagons and triangles
Combination 3: hexagons and squares
Combination 4: hexagons and triangles
Combination 5: pentagons and squares
Combination 6: octagons and squares
Combination 7: triangles and octagons
Combination 8: hexagons, squares and triangles
Combination 9: decagons and triangles
Combination 10: dodecagons and triangles
Combination 11: your choice
Using your sketches of the tessellations, find the sum of the angles at any given point on each sketch. What do you notice? Do you think this will always be the case? Why?


