Sum of the Angles of a Triangle

Activity 3. Triangular Tiles (continued)

6) Use the triangular tiles to form a double straight path as in Figure 7.
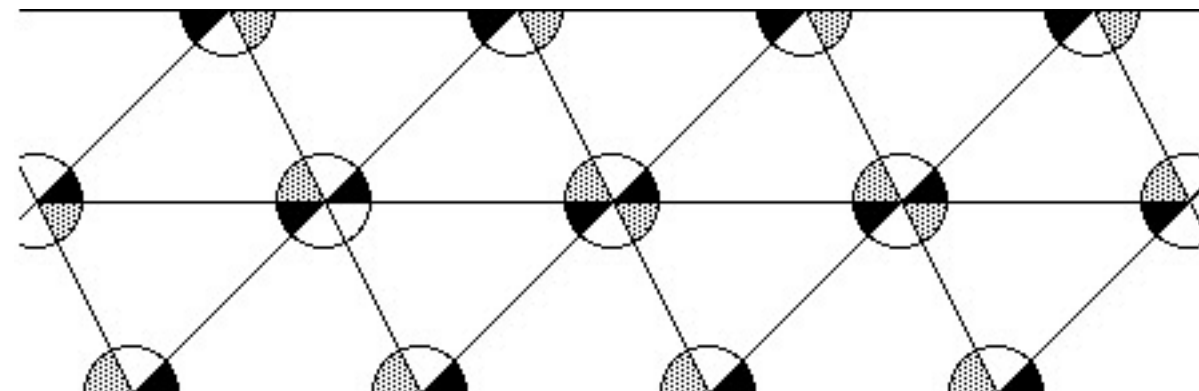

Figure 7. A double path

7) Look at one of the vertices in the center of the path in Figure 8. Notice that six angles surround one point.

   What is the sum of the six angles?

8) Describe the pattern of colors of the angles.
   - *How does that relate to the angles of one of the triangles?*
   - *What can you say about the sum of the angles in a triangle?*
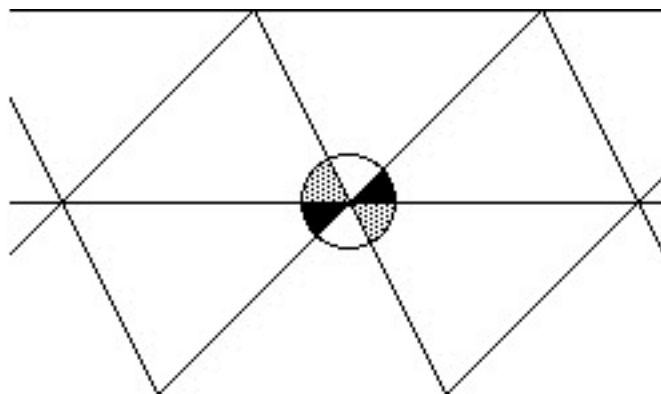   - *What can you say about angles that are opposite to each other?*

Figure 8. Six angles around a central vertex