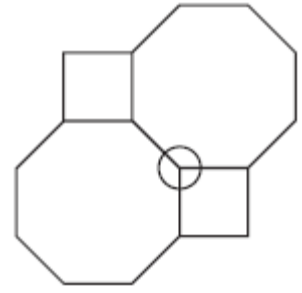


5. A floor is tiled with a pattern consisting of regular octagons and squares as shown.

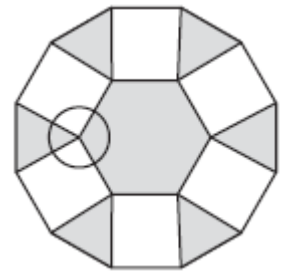
Find the measure of each angle at the circled vertex.



Then find the sum of the angles.

6. Jose is laying out a pattern for a stained glass window. So far he has placed the 13 regular polygons shown.

Find the measure of each angle at the circled vertex.



Then find the sum of the angles.

7. As the number of sides of a regular polygon increase, the polygon gets closer and closer to a true circle. The interior angles of any regular polygon can never actually reach 180° . How many sides would a polygon have whose interior angles are exactly 179° ?