In this paper we will explore Steiner tree problems, which deal with minimizing the total distance of a network connecting a set group of $n$ points, with $n=3$ and $n=4$. The relationship between the Fermat points of triangles and the Steiner points of quadrilaterals will be explored. We will also investigate the number of Steiner points needed to minimize the total distance of the network for quadrilaterals. (Received September 13, 2019)