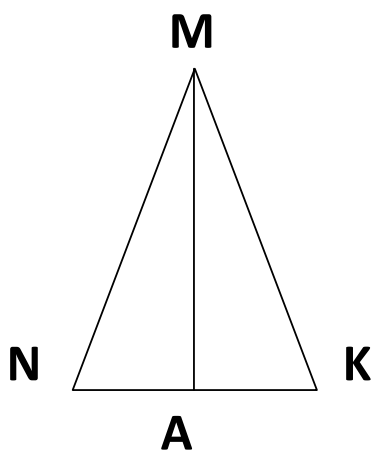


$$KM = KL = ML = MN$$

$$\angle KML = 60^\circ$$

$$\angle KMN = 30^\circ$$



$$\angle KMA = 15^\circ$$

$$\frac{AK}{5} = \sin(15^\circ) \quad AK = 5 \sin(15^\circ) \quad KN = 10 \sin(15^\circ) = 2.6 \text{ cm}$$