4-5

Enrichment

Isosceles and Equilateral Triangles

The swan below is composed of several triangles. Use the given information and the figure to find each angle measure. Note: Figure not drawn to scale.

Given: $\triangle ABC$ is equilisteral; $\angle BCD = \angle BDC$; $\overline{DE} = \overline{CE} = \overline{EF}$; $\angle CGF = \angle CFG$; $\triangle GCF = \triangle GKF = \triangle JIM$, $\triangle KFH = \triangle KLH$; $\overline{KO} = \overline{FO}$;



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