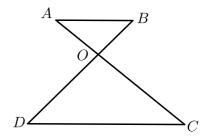
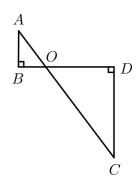


Day 7

As shown in the figure below, AB//CD, AB=6, CD=14. Find the value of AO:OC, BO:OD, and $S_{\triangle ABO}:S_{\triangle CDO}$, respectively.

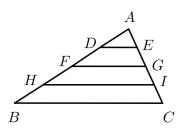


2 As shown in the figure below, $AB\perp BD$, $CD\perp BD$, BO=2, and AB=3, OD=6, what is the area of $S_{\triangle COD}$?





As shown in the figure below, in $\triangle ABC$, AD = DF = FH = HB, AE = EG = GI = IC. What fraction of the area of $\triangle ABC$ is the area of $\triangle ADE$?



As shown in the figure below, in $\triangle ABC$, AB=3BE, AC=3CD, G is the midpoint of AD and F is the midpoint of ED. Given that the area of quadrilateral BCDE is 20 cm² larger than that of $\triangle DGF$, what is the area of $\triangle ABC$?

