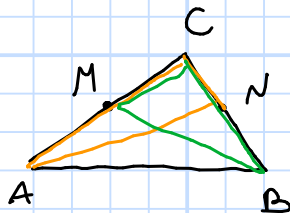


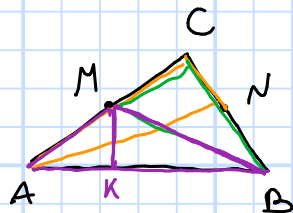
Considera un triangolo ABC e indici con M e N
 i punti medi di AC e BC . Dimostrare che $\triangle ACN$ e $\triangle BCM$ sono equivalenti



EQUIVALENTI = HANNO LA STESSA AREA

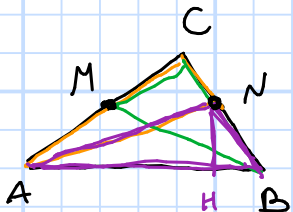
$$A_{\triangle ACN} = T_1$$

$$A_{\triangle BCM} = T_2$$



$$\left. \begin{aligned} \text{Area di } T_1 &= A_{\triangle ABC} - A_{\triangle ABN} \\ \text{Area di } T_2 &= A_{\triangle ABC} - A_{\triangle ABM} \end{aligned} \right\} \text{osservazione (1)}$$

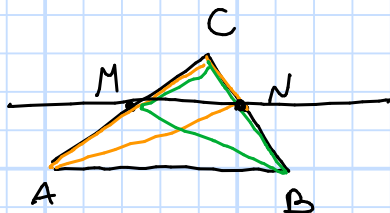
$$A_{\triangle ABN} = \frac{\overline{AB} \cdot \overline{AK}}{2}$$



$$A_{\triangle ABM} = \frac{\overline{AB} \cdot \overline{BH}}{2}$$

osserviamo che $\overline{MK} = \overline{NH}$

dato che la retta MN risulta parallela alla base AB



$$\text{Quindi } A_{\triangle ABM} = A_{\triangle ABN}$$

$$\text{Quindi } A_{T_1} = A_{T_2}$$

 (per l'osservazione (1))