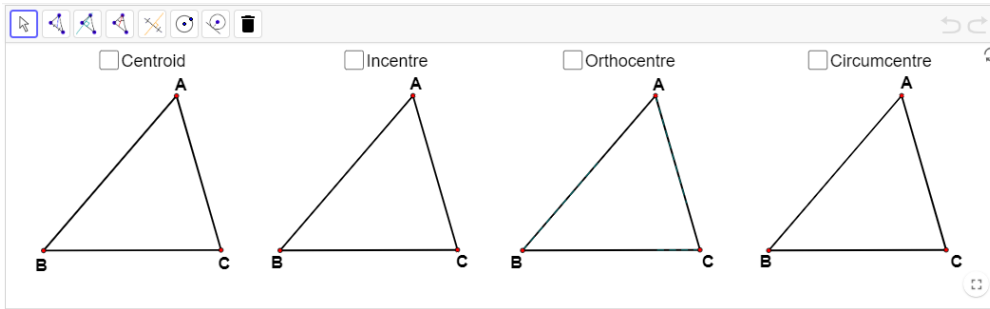


F.3 Mathematics: Centres in a Triangle

Name: _____ () F.3 _____

<https://ggbm.at/9982527>



Centres in a Triangle

1. Check the boxes “Centroid”, “Incentre”, “Orthocentre” and “Circumcentre”.

Centroid (___) is the intersection of the three _____ of the triangle.

Incentre (___) is the intersection of the three _____ of the triangle.

Orthocentre (___) is the intersection of the three _____ of the triangle.

Circumcentre (___) is the intersection of the three _____ of the triangle.

Properties of the Centres in a Triangle

2. Drag A , B and C and observe the positions of the centres.

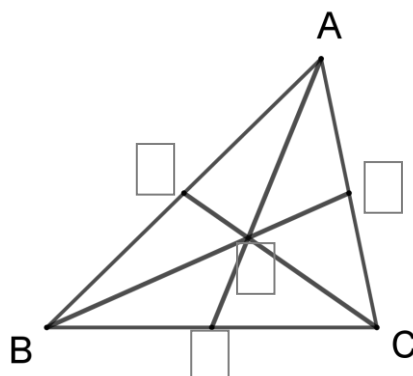
_____ and _____ are always inside the triangle.

_____ and _____ are lie outside the triangle when the triangle is an _____ triangle.

3. Check the box “Lengths and Ratios”. Drag A , B and C and observe the ratios. We found that:

The _____ of a triangle would divide each of its _____ in the ratio _____ : _____,

i.e. _____ : _____ = _____ : _____ = _____ : _____ = _____ : _____ .



Exercises

Try also the interactive exercises of the link.

