

Orthocenter and Feuerbach circle activities

⇒ **Activity 1:** The Orthocenter

1. Draw three points ABC to form an acute triangle. Find the orthocenter H of the triangle ABC.
2. Create a small triangle using H and two vertices.
3. Find its orthocenter.
4. Do it for the remaining 2 triangles.
5. Describe and **explain** what happened.

⇒ **Activity 2:** Feuerbach circle(s)

6. Start new construction and repeat step 1.
7. Draw Feuerbach Circles of all 4 triangles from the example above.
8. Describe and **explain** what happened.