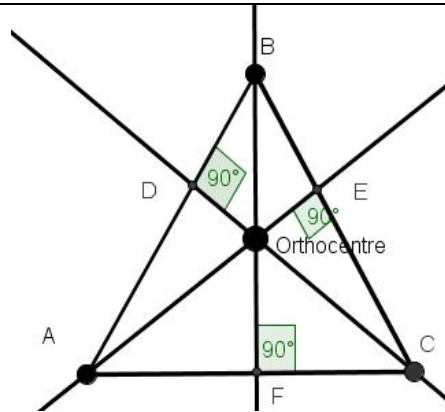


## Student Activity Construction 22 (Higher Level only)

Use in connection with the interactive file "Constr 22" on the Student's CD.

Construction 22: To construct an orthocentre of a triangle.



1. What is meant by saying one line is perpendicular to another line?

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2. How were points D, E and F formed?

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3. List the protocol to find the orthocentre of a triangle.

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4. Move the points in the triangle and as the triangle changes are the perpendiculars from the vertices to the opposite sides still concurrent and what is the name of the point where they meet?

5. What is meant by the point known as the Orthocentre of any triangle?

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6. By moving the points A, B and / or C, determine if the orthocentre of a triangle can be outside the triangle.

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7. Find the orthocentres of the following triangles.

