

Hands-on L^{wr.} 2^{ndry} Maths

CENTRE of a TRIANGLE : *Worksheet 2*

You will need a **Compass and Straight Edge** to do this

The Orthocentre : intersection of the altitudes

METHOD:

Drop perpendiculars from each vertex to their opposite sides


NOTE:

Do not erase your construction marks

Name : No :

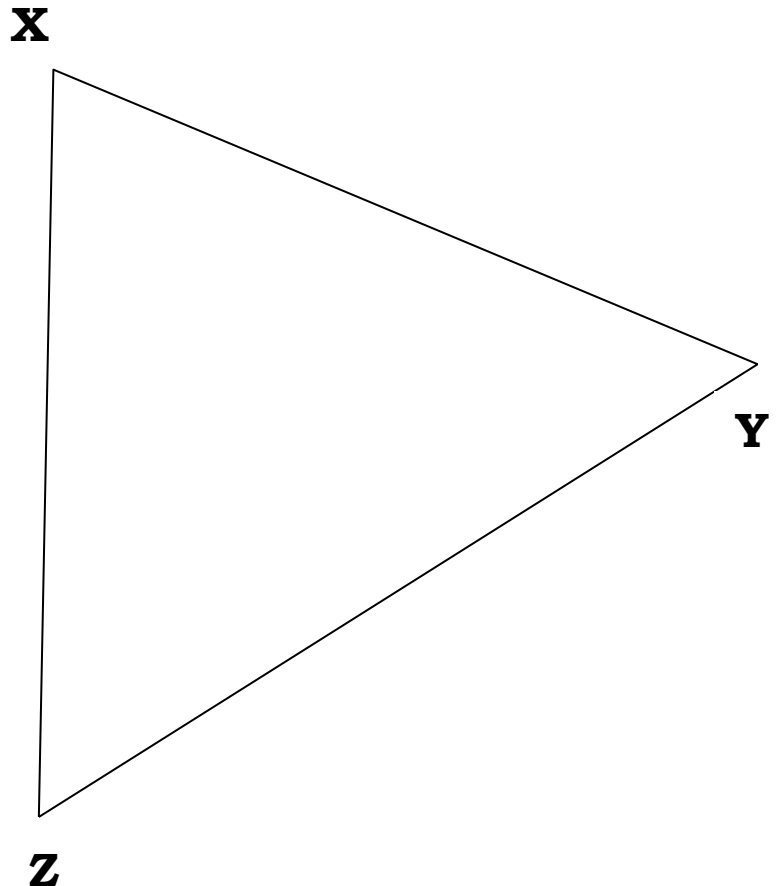
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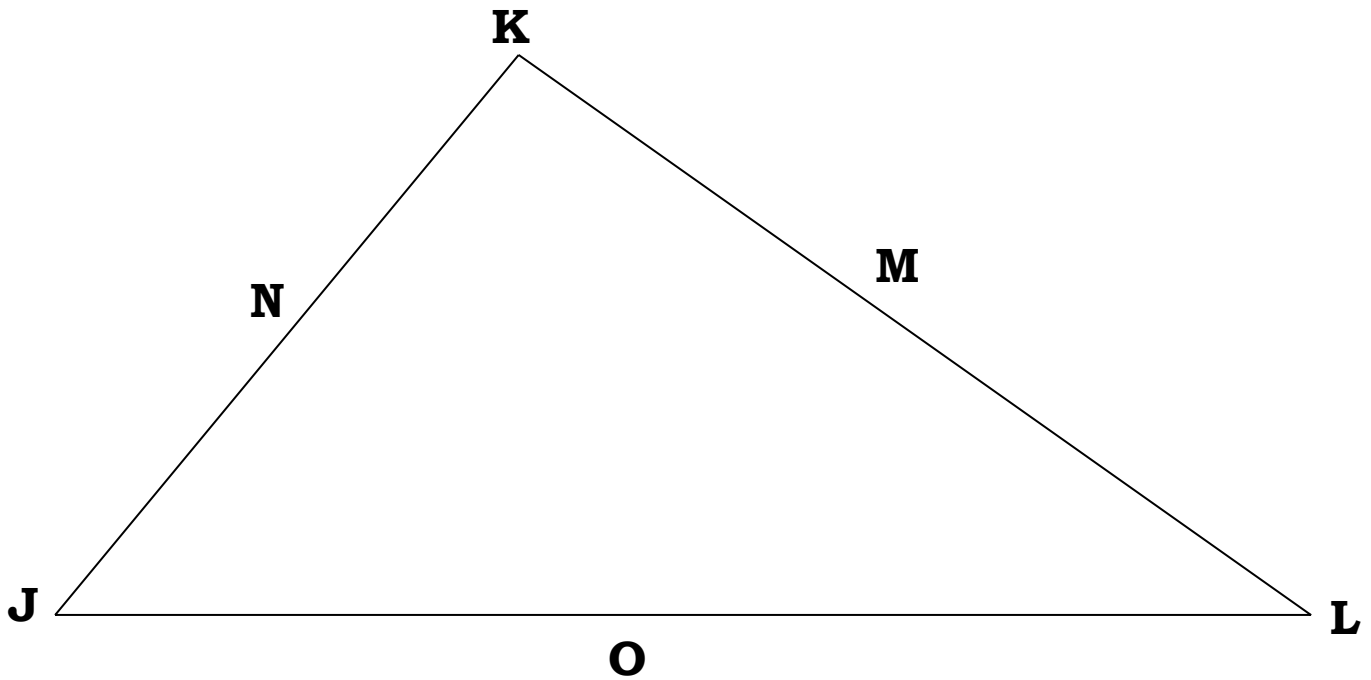
BY NC SA

Jon Molomby



The **Centroid** : intersection of the medians.

METHOD : *By construction, find the midpoints and draw the medians*



(i) The **Centroid** forms 6 smaller triangles of equal area

(ii) The medians are cut 1 : 2

So Area of $\Delta \text{---}$ = Area of $\Delta \text{---}$ =
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(iii) The **Centroid** is the centre of mass *i.e.* the centre of balance

