

2.7 Summary of Findings

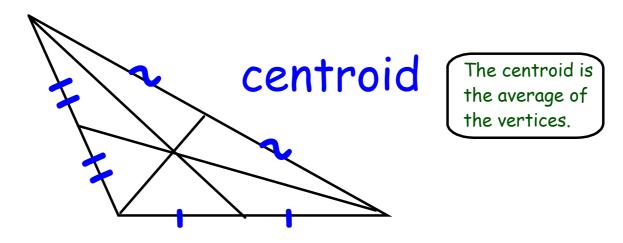
MEDIANS

1	The medians of any triangle are	
┷.	The medians of any triangle are	

The POI of the medians is the ______.

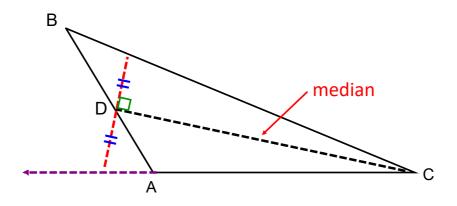
The medians bisect each other in a _____ ratio.

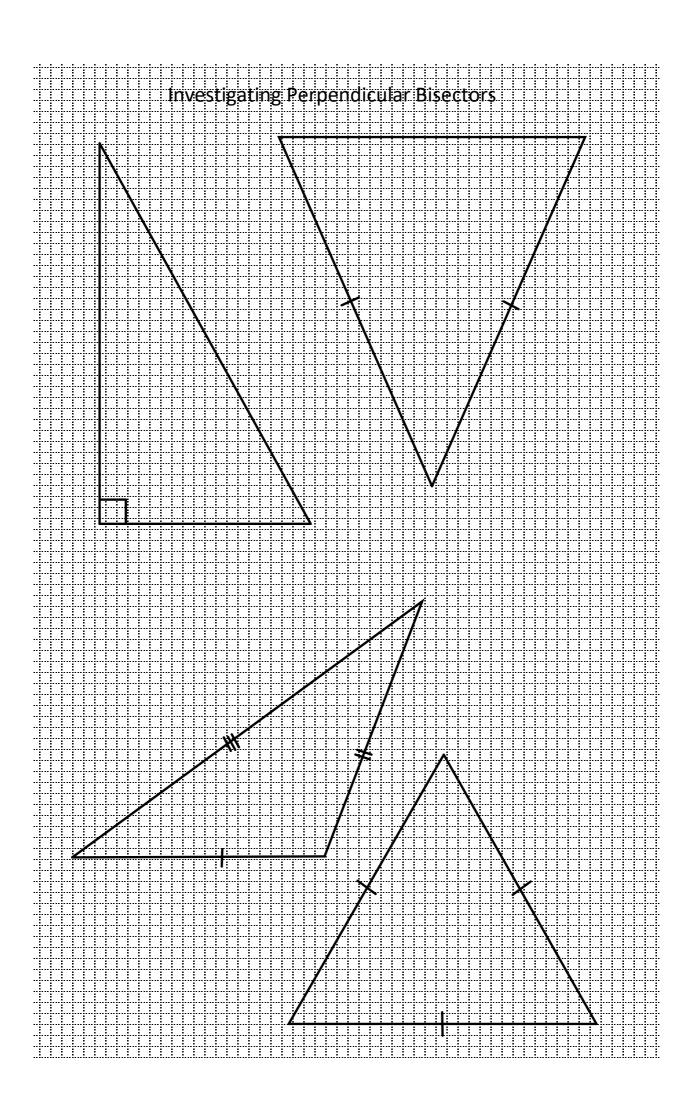
The centroid is the ______ of the triangle.



2. A median creates 2 triangles with equal ______.

When the median is used as the base of each triangle, the _____ are equal.



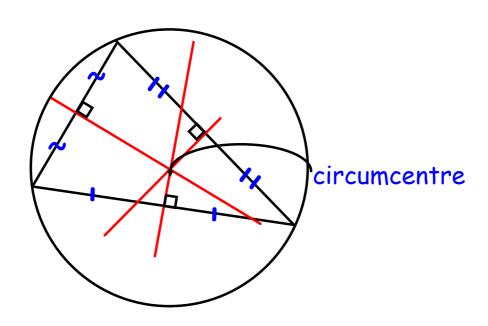


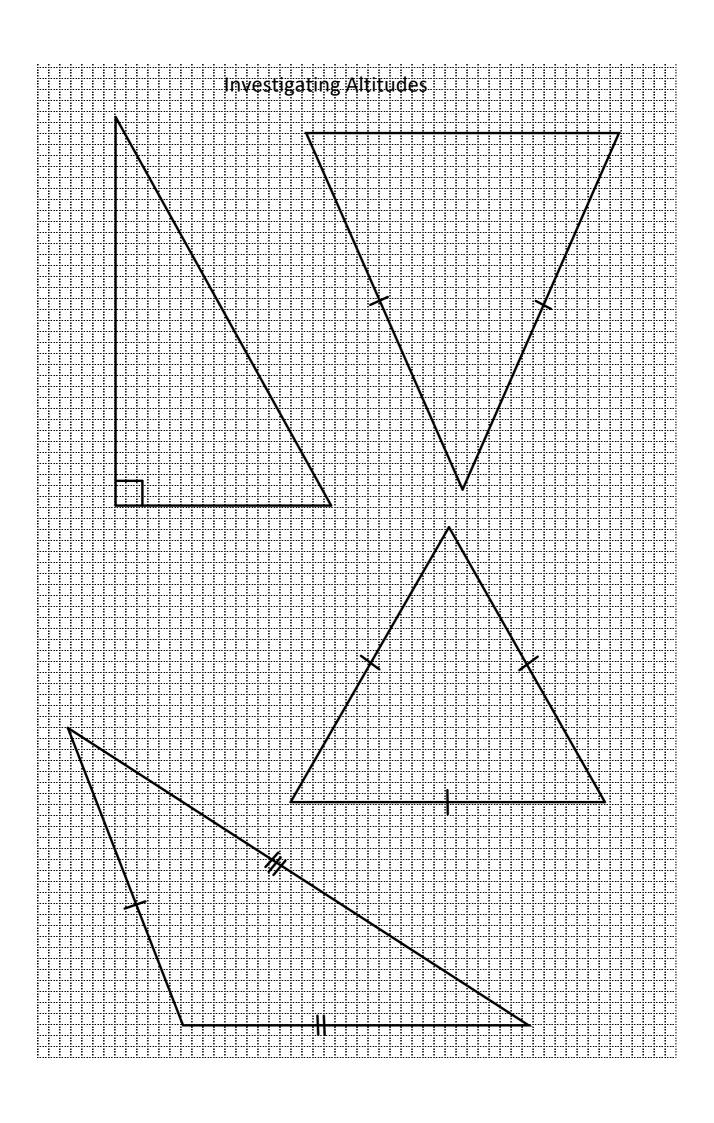
PERPENDICULAR BISECTORS

5. The perpendicular bisectors intersect at the

The circumcentre is the _____ of the circle that contains all 3 _____ of the triangle.

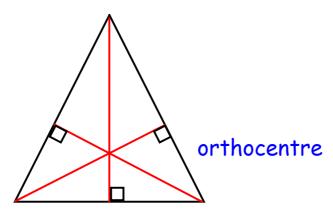
The circumcentre is the same ______
from each vertex.





ALTITUDES

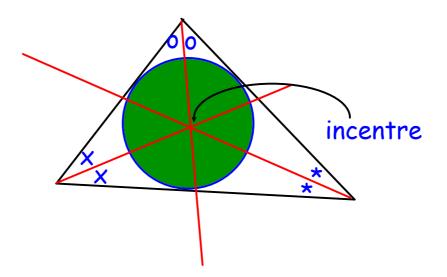
3. The altitudes of a triangle intersect at the ______



ANGLE BISECTORS

4. The angle bisectors of a triangle intersect at the ______.

The incentre is the		of the largest
	that can be drawn	
the triangle.		



Did you discover anything else?

What happens in right triangles? What happens in isosceles triangles? What happens in equilateral triangles? What happens in obtuse triangles?

- 2.7 Centroid.gsp
- 2.7 Median makes 2 smaller triangles.gsp
- 2.7 Orthocentre.gsp
- 2.7 Circumcentre.gsp
- 2.7 Incentre.gsp