

Geometry glossary

Activity 1: Here is a list of words belonging to the vocabulary of geometry.

acute – altitude – ruler – diameter – tangent line – vertex – obtuse – rhombus – half-ray – isosceles – perpendicular bisector – set square – to intersect at – the Pythagorean theorem – radius – to draw – orthocenter – circumference – parallelogram – line segment – center – kite – endpoints – sector – parallel – to label – square – straight line – compasses – inscribed circle – to locate – protractor – Pythagoras’ theorem – centroid – chord – right-angled triangle – angle bisector – midpoint – length – to meet at – equilateral – perpendicular – rubber – rectangle – to pass through – width – trapezium – intersection – arc – to extend – perpendicular height – to lie on – circumcircle – hypotenuse – side – to join – concurrent – median – to rub out – breadth – to mark.

Fill in the table below and classify them according to the item they are in connection with (some of them can belong to more than one field):

Triangles	Quadrilaterals	Remarkable lines and points in a triangle

Points and lines	Circle	Tools	Verbs

Activity 2: Fill in the gaps with one of the following verbs, and illustrate the sentence.

to construct – to draw – to intersect – to join – to label – to lie – to locate – to pass through

Sentence	Geometric figure
The line AB the point D.	
..... a line segment AB, its midpoint and it I.	
The point D on (<u>or</u> on) the line segment AB.	
AB and CD at F.	
..... a line that crosses a circle twice. the intersection points A and B.	
..... three points A, B, and C. them in order to the triangle ABC.	

Activity 3: In each case, make sentences in order to explain the following words or expressions and draw the figure that illustrates it.

- 1) *Median; centroid.*
- 2) *Perpendicular height; orthocenter.*
- 3) *Angle bisector; incenter; incircle (or inscribed circle).*
- 4) *Perpendicular bisector; circumcenter; circumcircle (or circumscribed circle).*