



Math Tracks™: Going on a Geometry Scavenger Hunt

On this Math Track™, you're going to go on a geometry scavenger hunt. The goal is to find as many examples of geometric concepts as you can, earning points and learning new terms & ideas along the way.

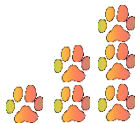
Items Needed:

- ⇒ Smart phone or digital camera
- ⇒ Internet access or good geometry textbook to use as a reference
- ⇒ Something to take notes as you go tracking

Geometry Scavenger Hunt List

Concept	Description	Points
Undefined terms	Find examples of Euclid's 3 undefined terms	15
Polygons	Find 5 non-triangular polygons	25
Visual Patterns	Find 3 different geometric patterns	15
Angles	Find examples of an acute, obtuse, & right angle	15
Slope	Find two examples of slope, one steep & one not	10
Special lines	Find examples for parallel and perpendicular lines	10
Constructions	Find an example of an angle or segment bisector	5
Circles	Find an example of a chord and a tangent	10
Triangles	Find examples for isosceles and scalene triangles	10
Congruence	Find an example of 3 or more congruent objects	5
Area / Perimeter	Find 2 examples, one for area and one for perimeter	10
Tessellations	Find 2 examples of tessellations, one must be regular	10
Symmetry	Find 3 examples of different types of symmetry	15
Volume	Find an example of volume	5
Similarity	Find an example of similarity that illustrates scale	5
Trigonometry	Find 4 examples of right triangles	20
3-D objects	Find examples of a sphere, cylinder, pyramid, & prism	20
Transformations	Find an example of a dilation	5
Isometries	Find examples of translation, reflection, and rotation	15

Award Levels



Award Level	Points Required
Junior Adventurer	135
Master Tracker	170
Expert Explorer	200