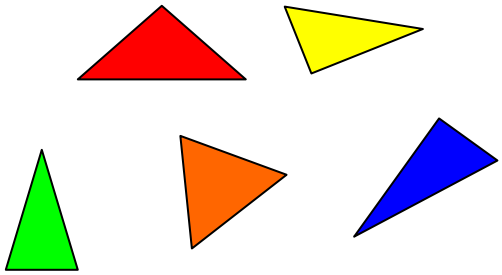
Triangle Time

NAME _____

When we looked at the quadrilaterals, we saw that adding conditions to the diagonals led to a more specific type of quadrilateral. Do you think that adding conditions to the altitude and side of a triangle intersecting the altitude leads to a more specific type of triangle?



Work in pairs on the questions below.
We will come together as a whole class
to summarize the information in a chart.

1. When we looked at the quadrilaterals, we considered relationships between the two diagonals. In particular, we considered whether they were perpendicular, intersecting, or bisecting. What relationships between the altitude and its side might we try?

2. For each relationship between an altitude and its side, determine what types of triangles are possible. Record your results.

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