**Activity Worksheet**

**Challenge Question:** How can we estimate the height of an object?

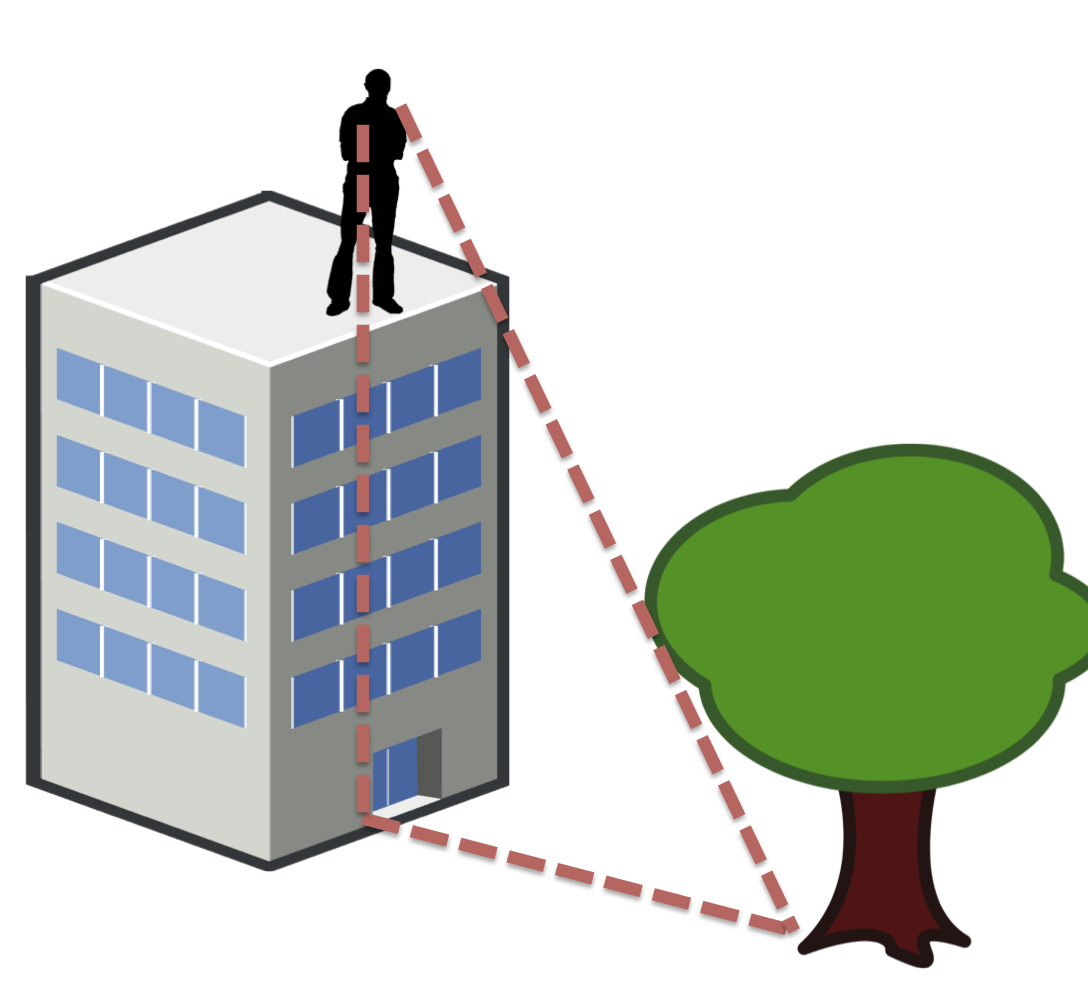
**Observations**

**Application: *The height of the ceiling***

|  |  |
| --- | --- |
| Initial height guess | **RightTriangle** |
| Distance to wall |  |
| Predicted height |  |
| Measured height |  |
| Explanation and notes: | |

**Synthesis: *On top of an object***

|  |  |
| --- | --- |
| Initial distance guess |  |
| Height of observer on object |  |
| Predicted distance to object |  |
| Measured distance to object |  |
| Explanation and notes: | |

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**Reflection:** Based on the information you have learned in this activity, how can you use triangles to estimate the height of objects?