**Golden Ratio Activity**

**Directions:** In groups, measure your height and your belly button height in **centimeters.**



|  |  |
| --- | --- |
| Height (cm) |  |
| Belly Button Height (cm) |  |

**Directions:** Divide your height by your belly button height. (Round to the nearest ten-thousandth.)

 Your Height =

Your Belly Button Height

*The Greeks believed in the “Golden Ratio”- that a god or goddess had a ratio of*

*when comparing height to belly button height.*

Are you considered a Greek god or goddess in mythology?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Directions:** Now, figure out how tall you would have to be (desired height) in order to be a considered Greek god or goddess in mythology. (Solve for x.)

Your Desired Height (x) = 1.618033989...

 Your Belly Button Height

X = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_