

Ms. Drake's Height = 66" ^{① Measure}

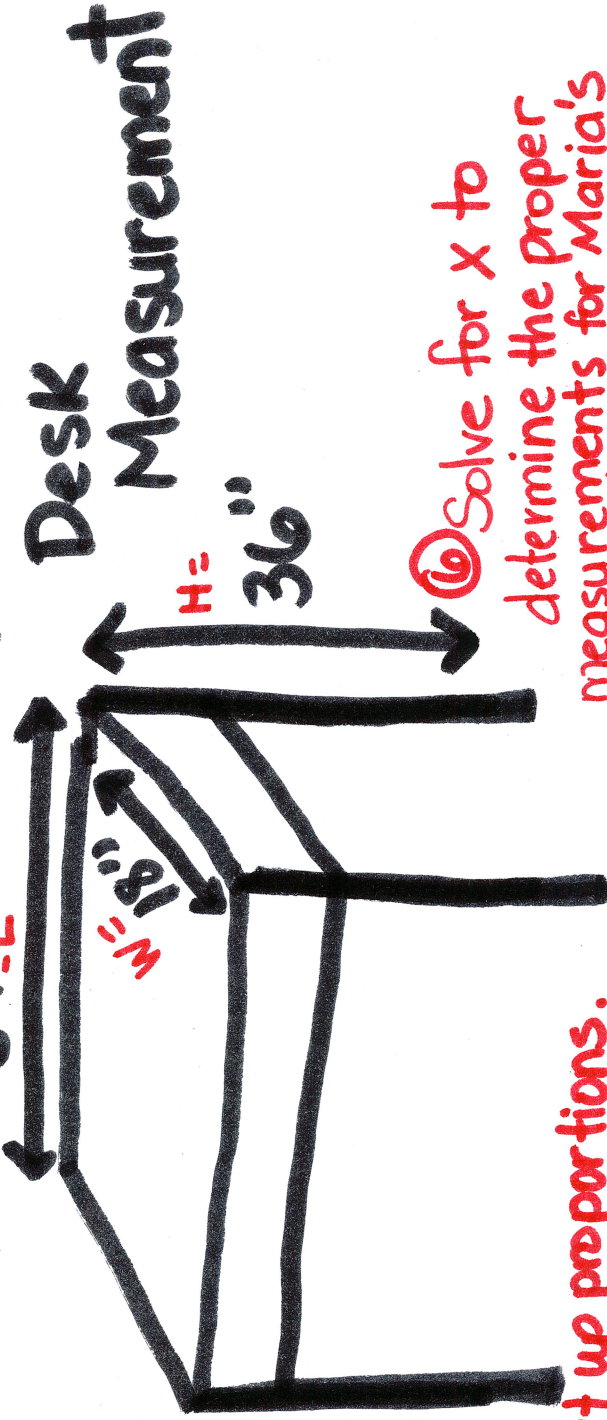
Maria's Height = 4" ^{② write as a ratio}

66:4, $\frac{66}{4}$, or 66 to 4

Reduced ^{③ Reduce}

$\frac{33}{2}$, 33:2, or 33 to 2

④ Measure object 2
Ms. Drake's



Because we have a ratio for Ms. Drake's height to Maria's height, we can determine the ratio for proportionate desks.

⑥ Solve for x to determine the proper measurements for Maria's desk.

⑤ Set up proportions.

$$H \frac{33}{2} = \frac{36}{x}; \frac{33}{2} = \frac{24}{x}; \frac{33}{2} = \frac{18}{x}$$