

One Foot Tale

What would the world be like if you were only one foot tall?

The following project will help you answer this question.

- 1) Find the actual measurements, **in inches**, of the items in the table, including five items of your own choice.
- 2) Write a ratio using your height in inches. $\frac{12 \text{ in}}{\text{actual height}} = \frac{\quad}{\quad}$ Simplify, if possible.
- 3) Set up a proportion for each item and write it in the appropriate space.
- 4) Solve the proportion. Write your answer in "New Size" column. Be sure fractions are in simplest form.

	Actual (in)	Proportion set-up	New Size
Your Height	58 in		12 in
Pencil	6 in		1.25 in
Desk length	15 in		3.4 in
Desk width	18 in		4.2 in
Door height	84 in		19.5 in
Foot length	12 in		2.5 in
Chair height	20 in		4.6 in
Little finger length	3 in		0.70 in
Room length	122in		28.4 in
Room width	116 in		27.1 in

