

## Scale Measurement

Architects and designers change *scale* to represent big things like buildings and rooms at a size that will fit on a page. Practice this by drawing a person to match the scale of each picture below.

Architects use a *scale ruler* to evenly shrink real-life dimensions down to a smaller size. With a scale ruler, they can use the same dimensions, but just measure them in scale feet instead! We are going to use a scale that shrinks a foot in real life down to a  $\frac{1}{2}$  inch. We call this  $\frac{1}{2}'' = 1'$  scale (" means inches and ' means feet). Create your own  $\frac{1}{2}'' = 1'$  scale ruler or use the one below to draw yourself and other things to scale for upcoming Architecture at Home projects!



## Materials

Paper ▪ Pencil ▪ Colored pencils or crayons ▪ Tape measure or ruler

## Instructions

	7'	<b>Step 1</b> Print this sheet at 100% or make your own $\frac{1}{2}'' = 1'$ scale ruler by following the steps in <a href="#">this video</a> .
	6'	
	5'	<b>Step 2</b> Measure your height and width in real life using a tape measure. Round these measurements to the nearest half foot.
	4'	
3'	<b>Step 3</b> Use your scale ruler to shrink down these measurements and draw yourself in scale feet as shown in <a href="#">this video</a> .	
2'	<b>Step 4</b> Create other scale figures of a pet or family member at $\frac{1}{2}'' = 1'$ scale. Keep these to use for upcoming projects.	
1'		