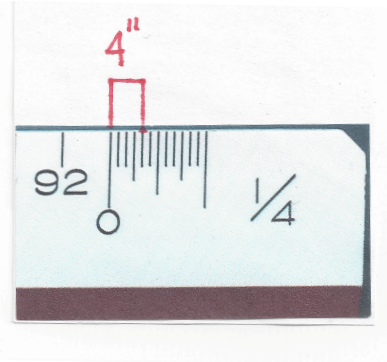
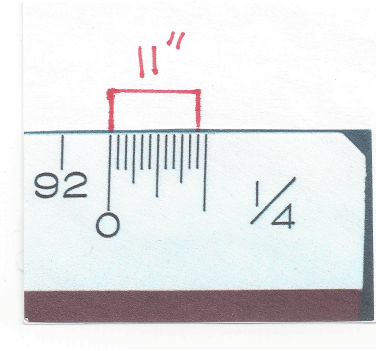


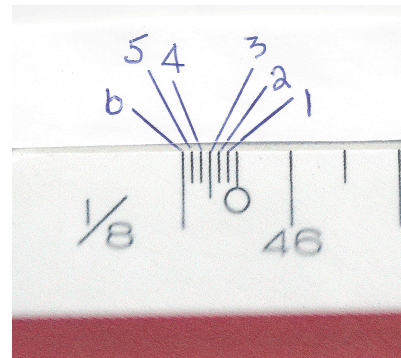
How to “Read” and Use an Architect’s Scale



$$\frac{1' - 0''}{12 \text{ lines}} \times \frac{12^1 \text{ inches}}{1' - 0''} = \frac{1 \text{ inch}}{1 \text{ line}}$$



Now let's look at the $\frac{1}{8}'' = 1' - 0''$ scale on the left end. There are 6 lines to the *left* of 0.



(illustration not to scale)

We know that the actual distance between 0 and the sixth line is $\frac{1}{8}''$; and that $\frac{1}{8}'' = 1' - 0''$. We also know that twelve inches equal one foot [1' - 0'']. Therefore, using a little dimensional analysis, we can determine that each of the 6 lines to the *left* of 0 represents two inches.