

At LegoLand in Schaumburg, there is a scale model Chicago skyline made out of legos. The scale factor is  $\frac{3}{350}$ .







That means...

3 inches in the Lego model represents  
350 inches in the real building.

6 inches in the Lego model represents  
700 inches in the real building, etc.

#0 (Sample Problem) Soldier field is 151 feet (1812in) tall in real life. How tall is the model of soldier field?

	Scale	soldier field
Real	350	1812
Model	3	X

$$\frac{350}{3} = \frac{1812}{X} \longrightarrow 350x = 5,436 \longrightarrow x \approx 15.5in$$

#1 The real Sears Tower is 1320 feet tall.  
How tall is the Lego Sears Tower?

#2 The Model of the C.N.A. Center (big red building) is 5 inches tall. How tall is the *real* C.N.A. building?

#3 Each Lego brick is  $\frac{1}{2}$  inch thick. How many Legos tall is a building that is 1,000ft tall in real life?