

Friday Bell Work:

1.) The Leaning Tower of Pisa in Italy is about 185 ft. tall. A model of the Leaning Tower is 6 in. tall. What is the ratio of the height of the model to the height of the real tower?

$$185 \times 12 = 2220 \text{ in.} \quad \frac{6}{2220} = \frac{1}{370}$$
$$1:370 \text{ in.}$$

2.) A builder is constructing a building based on a scale model. The building will be 40 ft tall. The scale in the construction is 5 ft = 2 cm. How tall is the model building?

$$\frac{2 \text{ cm}}{X \text{ cm}} = \frac{5 \text{ ft.}}{40 \text{ ft.}} \quad \left\{ \quad \frac{5 \text{ ft}}{2 \text{ cm}} = \frac{40 \text{ ft}}{X \text{ cm}} \right.$$
$$X = 16 \text{ cm}$$