



**Geometry**

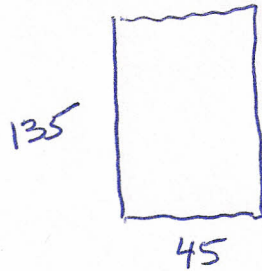
**Unit 4—ratio & proportions**

**Day 1—exit slip**

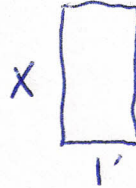
**Name:** \_\_\_\_\_

**Period:** Key

An apartment building is 135 feet tall and 45 feet wide. If a scale of this building is 1 foot wide, how tall is the scale model of this building? Sketch this problem and then calculate the height of the model:



scale  
⇒



$$\frac{135}{x} = \frac{45}{1}$$

$$135 = 45x$$
$$\frac{135}{45} = \frac{45x}{45}$$

$$3 = x$$



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