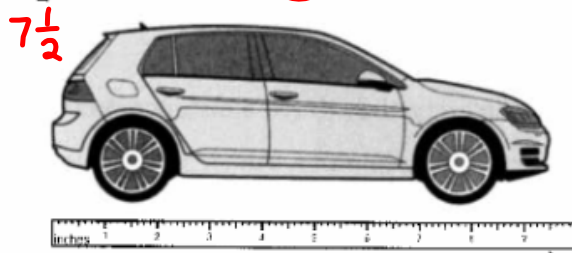


2-15-17

Aim: SWBAT review scale problems.

Do Now: The scale used to make a scale model of a car is $1 : 18$. The length of the model is $7\frac{1}{2}$ inches. How many feet long is the actual car?



$$\frac{1 \text{ in.}}{18 \text{ in.}} = \frac{7\frac{1}{2} \text{ in.}}{x \text{ in.}}$$

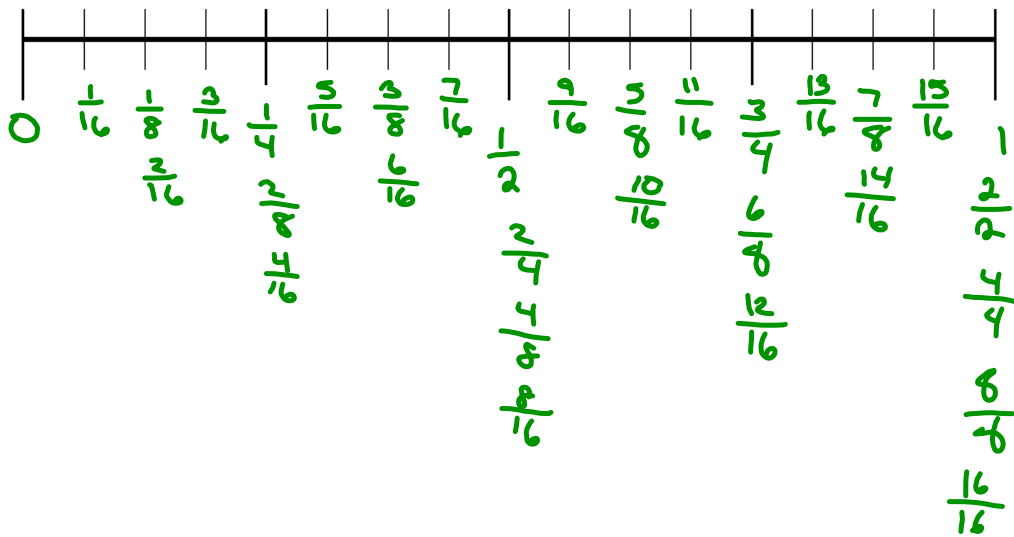
$$x = 135 \text{ in.}$$

HW: Quiz

$$\frac{1 \text{ in.}}{1.5 \text{ ft}} = \frac{7\frac{1}{2} \text{ in.}}{x \text{ ft}}$$

$$135 \div 12 = 11\frac{1}{4} \text{ ft}$$

Zooming Into 1 Inch



Pg. 887 or AP 6 #1-7

$$\textcircled{1} \quad \frac{1 \text{ in.}}{70 \text{ mi}} = \frac{1\frac{3}{4} \text{ in.}}{x \text{ mi}}$$

$$x = 122\frac{1}{2} \text{ mi}$$

$$\textcircled{2} \quad \frac{1 \text{ in.}}{70 \text{ mi}} = \frac{2 \text{ in.}}{x \text{ mi}}$$

$$x = 140 \text{ mi}$$

$$\textcircled{3} \quad \frac{1 \text{ in.}}{70 \text{ mi}} = \frac{1\frac{3}{4} \text{ in.}}{x \text{ mi}}$$

$$x = 122\frac{1}{2} \text{ mi}$$

$$\textcircled{4} \quad \frac{1 \text{ in.}}{70 \text{ mi}} = \frac{1\frac{1}{8} \text{ in.}}{x \text{ mi}}$$

$$x = 78\frac{3}{4} \text{ mi}$$

$$\textcircled{5} \quad \frac{1 \text{ in.}}{70 \text{ mi}} = \frac{\frac{3}{4} \text{ in.}}{x \text{ mi}}$$

$$x = 52\frac{1}{2} \text{ mi}$$

$$\textcircled{6} \quad \frac{1 \text{ in.}}{70 \text{ mi}} = \frac{1 \text{ in.}}{x \text{ mi}}$$

$$x = 70 \text{ mi}$$

$$\textcircled{7} \quad \frac{1 \text{ in.}}{70 \text{ mi}} = \frac{2\frac{3}{8} \text{ in.}}{x \text{ mi}}$$

$$x = \cancel{236\frac{1}{4}} \text{ mi}$$

$$166\frac{1}{4}$$