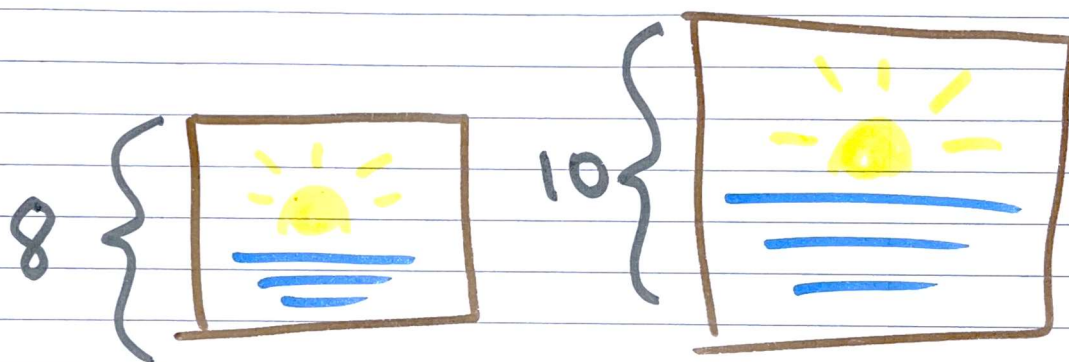


Lesson 2-1 → Finding Scale Factor

Scale factor is all about
Same Picture Different Size



$$8 \times \text{Scale factor} = 10$$

$$\div 8$$

$$\div 8$$

$$\text{Scale factor} = 1.25$$

Just as in 7th grade:

$$\text{original figure} \left(\begin{array}{c} \text{scale} \\ \text{factor} \end{array} \right) = \text{New figure}$$

Now in 8th grade:

$$\text{original figure} \left(\begin{array}{c} \text{dilation} \\ \text{factor} \end{array} \right) = \text{New figure}$$

The new bit is just where the new figure sits on the coordinate plane, as we'll see later...