

Lesson 2-2 → Using Scale Factor to Find Missing Sides

Scale factor is all about
Same Picture Different Size

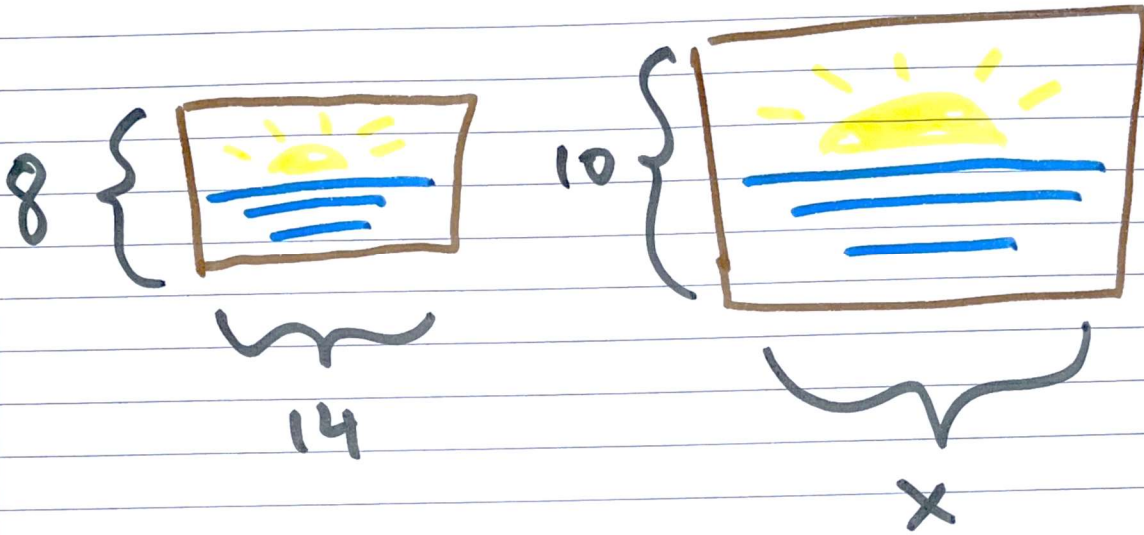


"I want the picture enlarged by a factor of 2.5."

What is the new height?

$$6 \times 2.5 = 15$$

And putting it all together...



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

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

$$14 \times 1.25 = 17.5$$