Topic 1: Using Ratios- Block 2	
Essential Question: How do you use scale factor to find proportional ratios? How does scale factor effect ratios?	
What are	Equivalent Ratios are two ratios that are equal
equivalent ratios?	Example: $\frac{1}{2}$ and $\frac{2}{4}$
What is scale	
factor?	<b>Scale Factor</b> is the factor you use to create proportional change. You multiply it to both numbers in the ratio to make equivalent ratios. It can be a fraction or decimal. It can be greater than 1, less than 1, or even a negative.
	Example: $\frac{3}{4} = \frac{6}{8}$
What is a	
proportion?	A <b>proportion</b> is an equation stating that 2 ratios are equal.
l lavu da l	$\frac{1}{2}$ - 2
determine the	Example: 2 4Scale factor = 2
scale factor for a proportion?	To find scale factor you calculate the number that you multiply both the numerator and denominator by to get the other equivalent ratio
	Example: $\frac{2}{3} = \frac{6}{9}$ Scale factor = 3
	If the scale factor isn't obvious then divide the second ratio numerator or denominator by the first ratios matching numerator or denominator
What does it mean	Example: $\frac{16}{24} = \frac{2}{3}$ Scale factor= $\frac{1}{8}$
if the scale factor is less than 1?	The new image is reducing or shrinking from the original

