

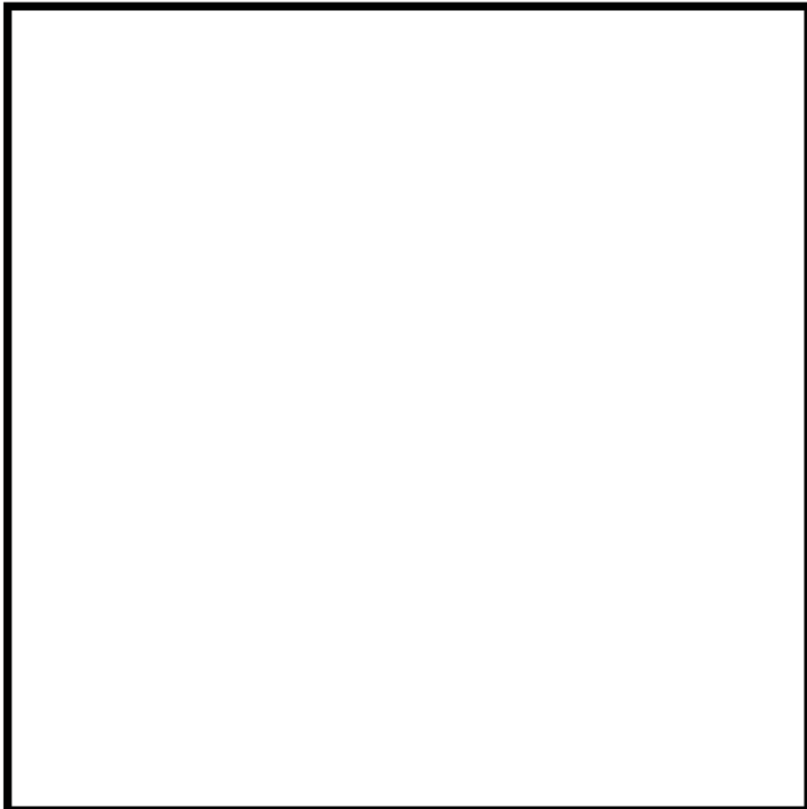
QUIZ Tuesday, January 10, 2017

Name: \_\_\_\_\_ Period: \_\_\_\_\_

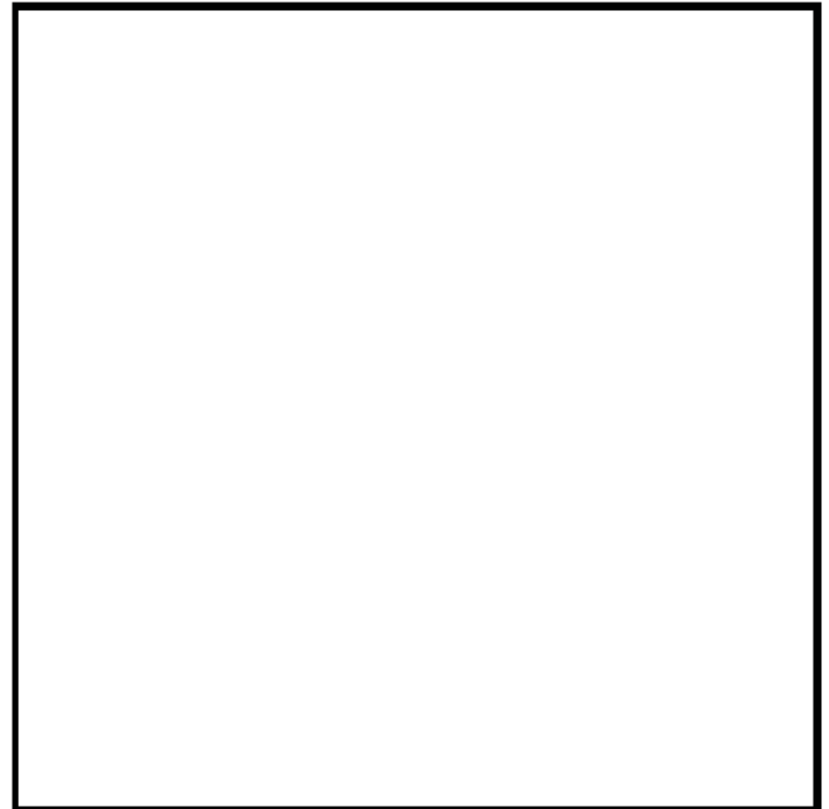
Save your quiz in Notability, then email to Mr. Pearson → [Robert.Pearson@SanteeSD.net](mailto:Robert.Pearson@SanteeSD.net)

**Directions:** Solve each of the multiplication problems below. Then create an area model inside the squares. Your area model needs to have straight lines, and should use different colors to show the shaded area of each fraction.

$$\frac{2}{5} \times \frac{1}{3} =$$

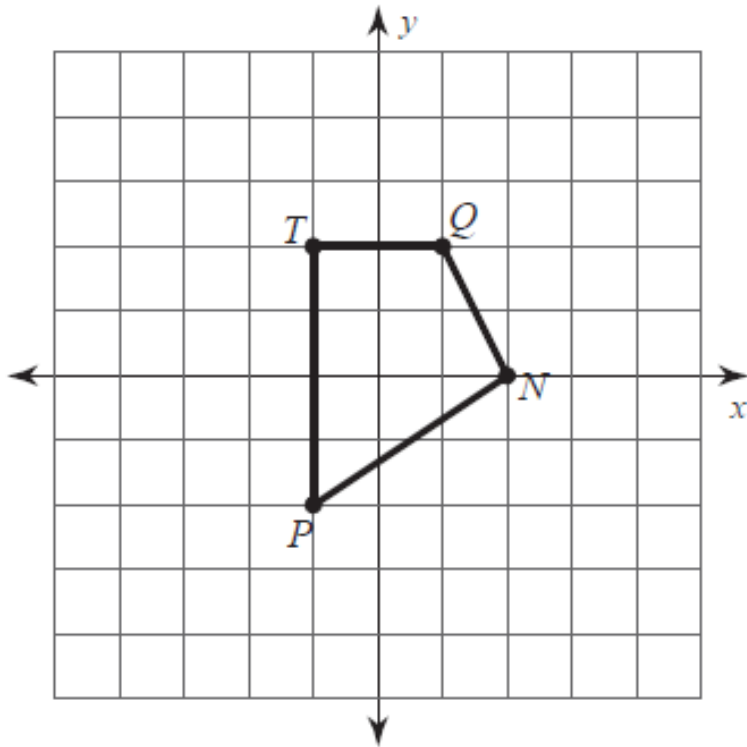


$$\frac{2}{4} \times \frac{1}{2} =$$



**Dilations show us enlargements or reductions.**

1. Find your original coordinates for the pre-image (the original drawing).
2. Multiply the factor of dilation by the original coordinates, then plot and label each of the points.

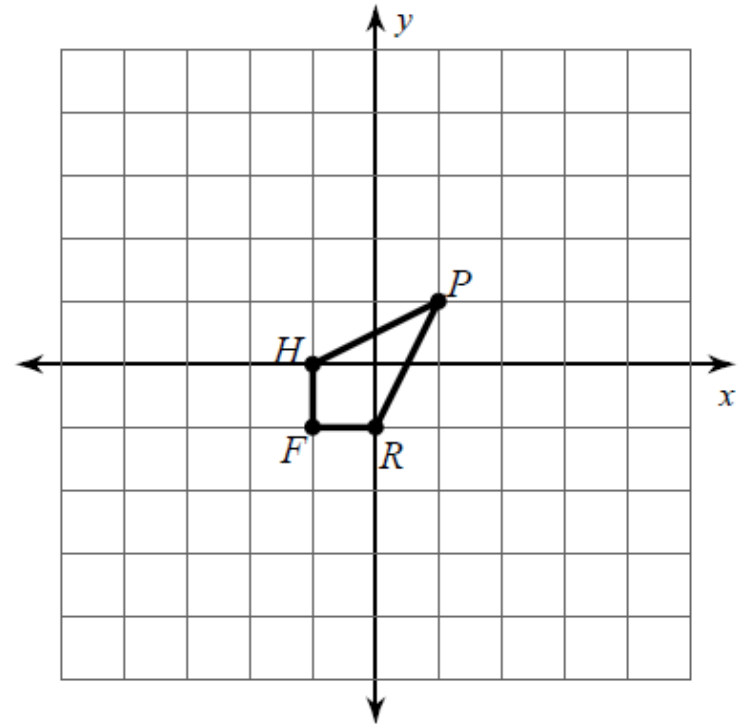


### DILATION OF 2

Original Figure

New Figure

T ( , )	→	T' ( , )
Q ( , )		Q' ( , )
N ( , )		N' ( , )
P ( , )		P' ( , )



### DILATION OF 3

Original Figure

New Figure

P ( , )	→	P' ( , )
R ( , )		R' ( , )
F ( , )		F' ( , )
H ( , )		H' ( , )