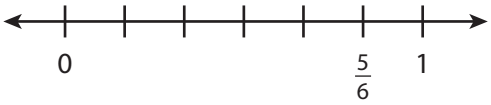
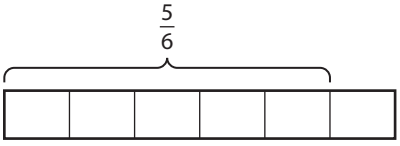
Understanding of Multiplication as Scaling

Name: _____

1 Shade the number line to show $\frac{3}{5} \times \frac{5}{6}$.



2 Complete the area model to show $\frac{3}{5} \times \frac{5}{6}$.



Is $\frac{3}{5} \times \frac{5}{6}$ *less than*, *equal to*, or *greater than* $\frac{5}{6}$? Use your models to justify your answer.

3 Write *less than*, *equal to*, or *greater than* for each statement.

$\frac{1}{2} \times \frac{4}{5}$ is _____ $\frac{4}{5}$. $\frac{2}{2} \times \frac{4}{5}$ is _____ $\frac{4}{5}$. $\frac{3}{2} \times \frac{4}{5}$ is _____ $\frac{4}{5}$.

$\frac{3}{3} \times \frac{3}{4}$ is _____ $\frac{3}{4}$. $\frac{5}{3} \times \frac{3}{4}$ is _____ $\frac{3}{4}$. $\frac{2}{3} \times \frac{3}{4}$ is _____ $\frac{3}{4}$.

$\frac{2}{5} \times \frac{5}{9}$ is _____ $\frac{5}{9}$. $\frac{8}{5} \times \frac{5}{9}$ is _____ $\frac{5}{9}$. $\frac{5}{5} \times \frac{5}{9}$ is _____ $\frac{5}{9}$.