Squares of Fractions

Name _____

Date _____ Period _____

When multiplying fractions...

Multiply the numerators...

and multiply the denominators

$$\frac{2}{3} \times \frac{4}{5}$$

When multiplying fractions...

Multiply the numerators...

and multiply the denominators

$$\left(\frac{2}{3}\right)^{2} \times$$

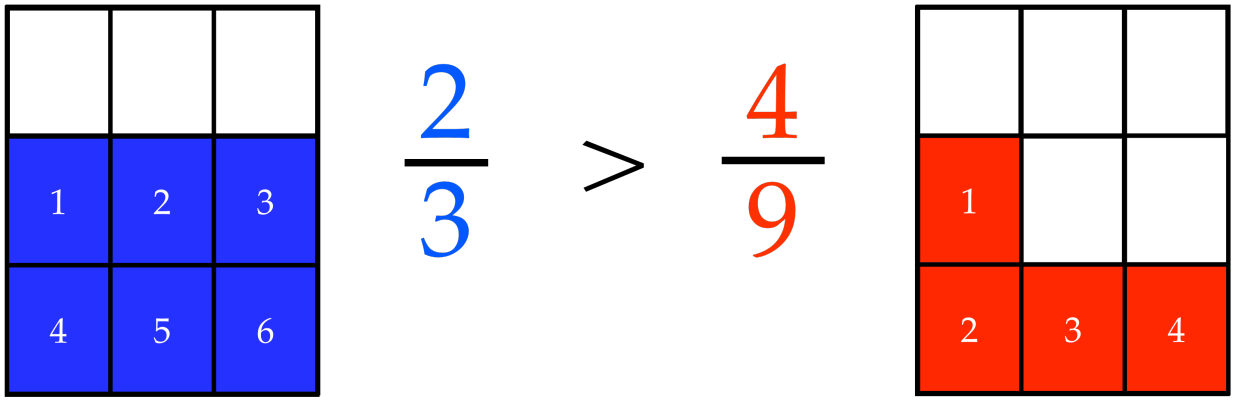
When multiplying fractions...

Multiply the numerators...

and multiply the denominators $\left(\frac{3}{5}\right)^2$

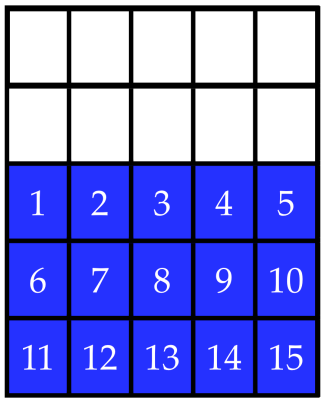
Compare Fractions and their Squares

$x \quad > \quad x^2$

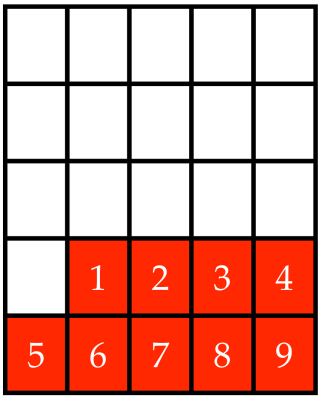


Compare Fractions and their Squares

x > x^2



$$\frac{3}{5} > \frac{9}{25}$$



Compare Fractions and their Squares

x > x^2

Given a fraction, x, where $0 < x < 1$, we can conclude....

$$\frac{1}{4} > \frac{1}{16} \qquad \frac{2}{7} > \frac{4}{49} \qquad \frac{3}{4} > \frac{9}{16}$$