

Review Game

(Use with Lesson 12-3)

*Rational Expression Toss***Materials:** large piece of cardboard, three coins, 60-second timer

For this game, your team will multiply or divide two rational expressions.

Before starting the game, reproduce the playing grid shown below on a large piece of cardboard. Form two teams.

$\frac{4r^2s}{3xy}$	$\frac{1}{2rx^2}$	$\frac{s^2y^3}{9x^4}$	$\frac{2r}{sxy}$
$\frac{6s^3}{r^2y}$	$\frac{x^4}{8y^2}$	$\frac{rs^2x}{3}$	$\frac{12y}{r^3x}$
$\frac{1}{4xy}$	$\frac{2y}{3rs^2}$	$\frac{sy}{6x}$	$\frac{r^3}{xy^2}$
$\frac{8s^2y^3}{r^3x^2}$	$\frac{2x}{9s^3}$	$\frac{3r}{s^2x^3y^4}$	$\frac{x^2y}{2}$

- To begin the game, place the playing grid on a table or on the floor. One team throws two coins onto the playing grid. (Coins should land in two different squares. If not, re-toss the second coin.) Toss the third coin into the air. If the coin lands heads, multiply the expressions. If the coin lands tails, divide the expressions. Each team has 60 seconds to perform the operation. If they obtain a correct result within 60 seconds, the team earns one point. Otherwise, no points are earned.
- The game continues with teams taking turns. Keep a running tally of each team's score. The winner is the team with the highest accumulated score.