

Algebra Tic-Tac-Times Game

Description

This activity has student playing a game similar to connect 4 or tic-tac-toe, but spaces are occupied when a student can multiply the right factors together to get the expression they want. This can be looked at as a multiplication of polynomials game or as a factoring game.

Prep Work

Print out a playing card for each group of students. Two students per group. You will also need some type of spacer, such as pennies and nickels, or colors spacers.

Instructions

○ Pre Activity

None

○ Activity

Give each group a playing card.

One student is red and the other is blue.

Red picks 2 factors, covers one with red, one with blue, names their product, and covers that product with a red chip. Blue moves the blue factor chip leaving red's factor chip unchanged, names and covers the product with a blue chip. Each player moves only the factor chip of his/her color.

The goal is to cover 3 boxes in a row, vertically, horizontally, or diagonally.

○ Post Activity

None

Time Required

20 minutes
