

## Linear Equation Puzzle Review!

This activity is meant for an Algebra I class after introducing how to solve linear equations.

The class should be split into small groups and then each group should be given one of the five different puzzles to work on. Each puzzle needs to be put together by having the side of a piece with the equation touching the corresponding solution on a different piece of the puzzle. The puzzles only have one solution and each puzzle will form a mathematical symbol when put together correctly. The symbols are for multiplication, greater than, square root, addition, and not equal. Once two groups or more are done, they can switch puzzles and try to solve the new puzzle given to them.

This activity is motivating because it gets students to work together and gets them something different from the usual lessons. The activity also is interesting because the puzzles form math symbols letting the students know if their puzzles are correct or not. Students seem to enjoy playing games and competing so this activity could be made into a game to see what puzzles can be made the quickest and have teams so that score can be taken to make it more motivational. It also could be made more motivating if there was a prize for getting correct puzzles.

This activity was made by a student at Mainland High School in Daytona Beach, FL and can be found online from [http://mainland.cctt.org/mathsummer/JosephBond/Puzzles/index\\_std.htm](http://mainland.cctt.org/mathsummer/JosephBond/Puzzles/index_std.htm).