



ALGEBRA AREA PUZZLE GAME

<https://aiminghigh.aimssec.ac.za/algebraarea-puzzle-game/>

Each group of players needs an envelope with at least 20 blue x^2 pieces, 20 brown x pieces and 30 green unit pieces, available from the AIMING HIGH website. The teacher needs a list of quadratic expressions that can be factorized and a few that cannot.

RULES OF THE GAME:

1. The teacher writes a quadratic expression on the board. For the expression $ax^2 + bx + c$ the learners use a blue pieces, b brown pieces and c green pieces as in the example.
3. The first group to make a rectangle with the pieces and find the factors wins the round.
2. The winning group should explain to the class how they solved the puzzle, and all the learners should copy the solution diagram into their notebooks.

