

Algebra Tiles - Intro & Mats

Click on the videos below.

[Algebra Tiles Introduction](#)



[Algebra Tiles: Legal Simplification Moves](#)



[Algebra Tiles: Using an Expression Mat](#)



1. Algebra Tiles Introduction:

- Algebra Tiles can be used to illustrate many concepts.
- Use Algebra Tiles to describe area.
- Use Algebra Tiles to describe perimeter.

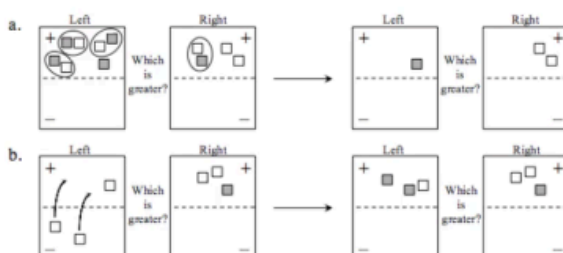
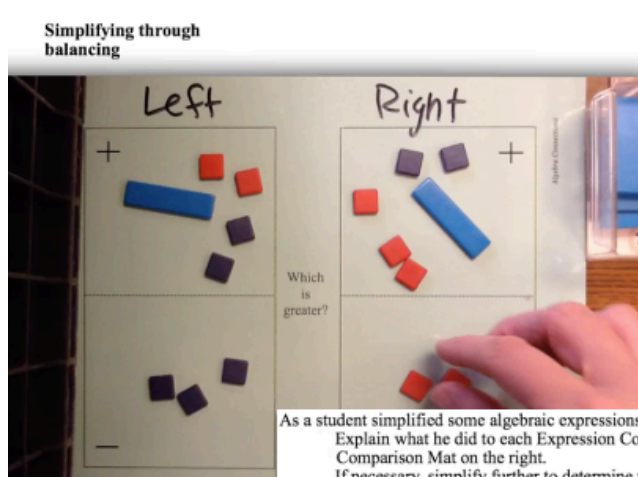
Why algebra tiles?

Help understand the following concepts:

- Combining like terms
- Evaluating expressions
- Solving equations
- Distributive Property
- Distributing a -1
- Solving systems of equations
- Factoring quadratics
- Completing the square

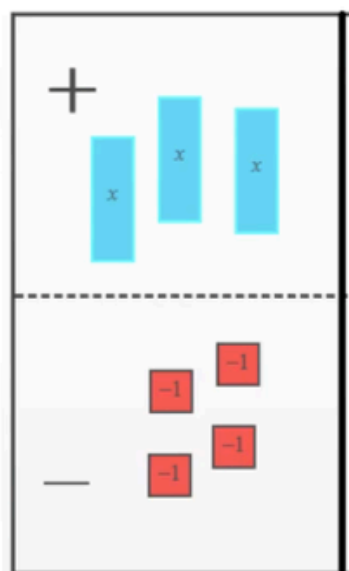
2. Algebra Tiles: Legal Simplification Moves

- View the process of balancing using Algebra Tiles.
- Students may record their work using Algebra Tiles.



3. Algebra Tiles: Using an Expression Mat

How many different ways can you build $3x - (-4)$?



$$3x - (-4)$$

