

Solving Multi-step Equation using Algebra Tiles

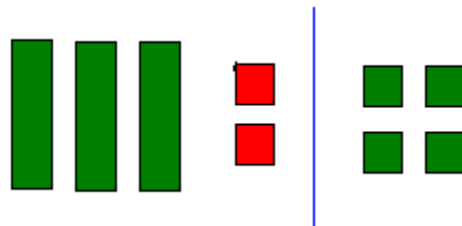
Learning Objective: Solve equations with multi – step using algebra tiles.

Duration: 15 min

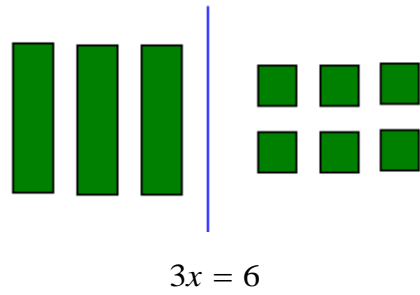
Grades 7 and 8

Activity Description:

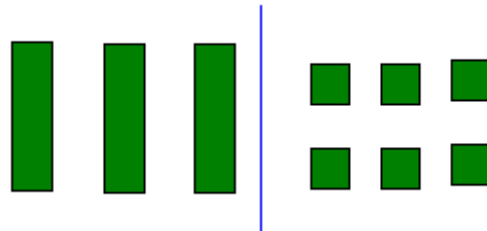
- ❖ Divide your students into groups of four students
- ❖ Provide each group a set of algebra tiles
- ❖ Ask students to model the expression
" $3x - 2 = 4$ "



- ❖ You should first add two opposite integer tiles to the other side of the equation. So that the x – tiles are left alone on one side.



- ❖ To get one x – tile alone, you should group each x – tile with an equal number of integer tile on each side of the bar.



- ❖ Remove two sets of tiles from each side of the bar. The solution will look like

