Algebra Tiles

Task:

- Build an algebra tile representation of 2(3x + 1). Use the model to show that 2(3x + 1) = 6x + 2.



- Represent the following equation, 3x + 2 = 8, using pictures and words. What is the value of x? How do you know?



Math Kit Task Cards INTERMEDIATE

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BIG Ideas

- Algebra is a way to represent and explain mathematical relationships and to describe and analyze change.

Curriculum Expectations

- Gr. 7: solve linear equations in the form of ax = c or variationssuch as b + az = c by modeling with concrete materials.
- Gr. 8: solve and verify linear equations involving a one-variable term and having solutions that are integers.

Links *...to other ideas using this manipulative:*

- Intro to Algebra Tiles:
  http://tinyurl.com/l-Algebratiles1 → (top)
- Using Algebra Tiles:
  http://tinyurl.com/l-Algebratiles2 → (bottom)

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