

# Standards for Mathematical Practice

COMMON CORE STATE STANDARDS for MATHEMATICS

- 1. Make sense of problems and persevere in solving them.**
- 2. Reason abstractly and quantitatively.**
- 3. Construct viable arguments and critique the reasoning of others.**
- 4. Model with mathematics.**
- 5. Use appropriate tools strategically.**
- 6. Attend to precision.**
- 7. Look for and make use of structure.**
- 8. Look for and express regularity in repeated reasoning.**

## **Why Games are an Excellent Way to Connect Mathematical Content to Mathematical Practice:**

- ✓ Students are engaged with subject matter.
- ✓ Students must communicate their thinking with other players.
- ✓ Students use flexibility in operations during play.
- ✓ Students analyze their own choices and those of their opponents.
- ✓ Students reason inductively using the generated data in play.
- ✓ Students must record their mathematical expressions.

*Box Cars and One-Eyed Jacks, 2012*