Mathematics, Grade 7
Unit XI: Lesson 1   Mobile: **Equation Mobile**

Review the steps necessary for solving equations with inverse operations. Study mobiles for a variety of ideas on how to make them.

Create a mobile that illustrates how to solve an equation such as $2x + 4 = 12$. Each step in solving the equation must be illustrated in the mobile. Remember that a mobile must always be in balance. This is also true for equations as you simplify each step. The mobile should show all the work from the equation to the solution of the equation and the illustration of the inverse properties. Do a second mobile with a more complex equation to solve. Consider using different media to make the mobile, such as Styrofoam, wood, and cardboard.

Display and explain your mobiles to the class.