

# OBSERVING THE LAW

## Materials

Box   Marbles   Fish Weights   Spring Scale   Cart

## What To Do

Put the marble in the box. Slide the box across the table; observe the marble. Stop the box suddenly. Observe the marble. Record your observations on the answer sheet.

Hook the spring scale to the cart. Measure the force it takes to move the cart across the table. Add the fish weights to the cart. Measure the force it takes to move the cart across the table. Record your information on the answer sheet.

Use one marble to "shoot" another one. What happens when the marbles collide? Record your information on the answer sheet.