Extra Money

**Purpose**
To demonstrate persistence of vision.

**Materials**
2 coins of the same value

**Procedure**
1. Hold the coins together between your thumb and index finger.
2. Quickly rub the coins against each other so that they slide back and forth. Observe the coins and count the number of coins that you seem to see.

**Results**
You seem to see three coins.

**Why?** When you look at an object, an image of the object is projected on the retina (the back inner wall) of your eyes. Even if the object has moved or is removed, its image remains on the retina for a fraction of a second. This is called persistence of vision. Thus, an extra coin seems to appear between the coins.