**Learning Goals:** Students will be able to

* Find matching fractions using numbers and pictures
* Make the same fractions using different numbers
* Match fractions in different picture patterns
* Compare fractions using numbers and patterns

**Directions:**

Each pair will use one piece of paper to answer the questions. Find the PhET simulation [***Fraction Matcher***](http://phet.colorado.edu/en/simulation/fraction-matcher)  at http://phet.colorado.edu/ and then **Run**

1. Play a level on the ***Matching Game*** tab with a partner for a few minutes and talk about would help you get a good score.
   1. Test your strategy by playing the game.
   2. As you play the games, record your scores for the levels you try.
   3. Try the timer. Do you like keeping track of your time? Enter time on score sheet if so.
   4. Write about your best strategies including pictures.
2. Play a level on the ***Mixed Number*** tab with a partner for a few minutes and talk about would help you get a good score.
   1. Explain any new strategies you would use on this tab.
   2. Test your strategy by playing the game.
   3. As you play the games, record your scores for the levels you try.
   4. Try the timer. Do you like keeping track of your time? Enter time on score sheet if so.
   5. Write about your best strategies including pictures.
3. Use the game to practice your skills by yourself.
   1. Pick levels to test your strategies.
   2. Use a new table to keep track.
   3. Before you close ***Fraction Matcher***, have your teacher verify your table entries, and initial your paper.