

## Student directions [Fraction Matcher](#) activity

**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](#) 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.
  - a. Test your strategy by playing the game.
  - b. As you play the games, record your scores for the levels you try.
  - c. Try the timer. Do you like keeping track of your time? Enter time on score sheet if so.
  - d. 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.
  - a. Explain any new strategies you would use on this tab.
  - b. Test your strategy by playing the game.
  - c. As you play the games, record your scores for the levels you try.
  - d. Try the timer. Do you like keeping track of your time? Enter time on score sheet if so.
  - e. Write about your best strategies including pictures.
3. Use the game to practice your skills by yourself.
  - a. Pick levels to test your strategies.
  - b. Use a new table to keep track.
  - c. Before you close **Fraction Matcher**, have your teacher verify your table entries, and initial your paper.