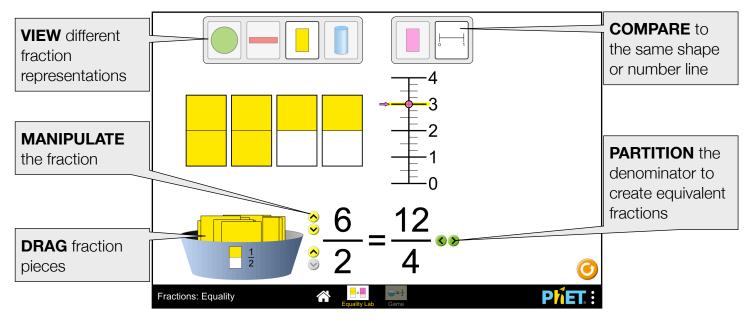


The *Fractions: Equality* simulation allows students to explore equivalent fractions with different denominators, then test their understanding on the Game screen.

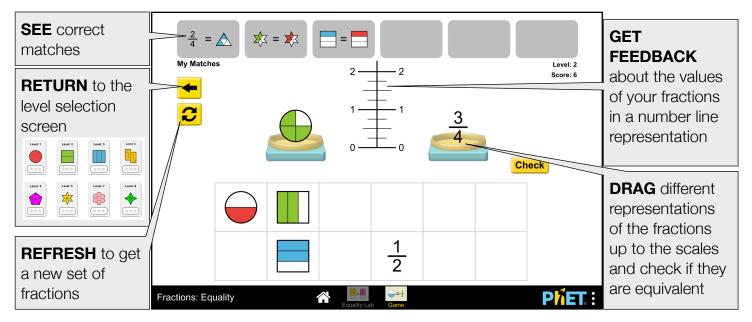
## **Equality Lab Screen**

The Equality Lab screen, originally found in the legacy Fractions: Intro sim, engages students with the same representations found in Fractions: Intro



## **Game Screen**

The Game screen contains eight levels of matching fractions using the improper fraction representations for fractions greater than 1. This game can also be found in the Fraction Matcher simulation.



McGarry, January 2019

## **Suggestions for Use**

- Allow students to explore the Equality Lab screen first, then facilitate a discussion about what patterns students notice about equivalent fractions. Use this discussion to develop strategies for constructing and identifying equivalent fractions.
- Students can work at any level on any screen, but it can be helpful to differentiate instruction by assigning certain levels.

Sample Challenge Prompts

- If two fractions are equivalent, what do you know about the area of those two fractions?
- If two fractions are not equivalent, what do you know about the area of those two fractions?
- What strategies help you match two fractions? How can you use these strategies to determine if 5/8 and 10/13 are equivalent?

See all published activities for Fractions: Equality here.

For more tips on using PhET sims with your students, see Tips for Using PhET.