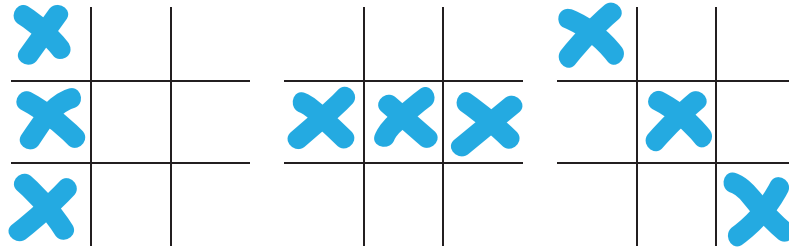


# Fraction Tic-Tac-Toe

## Object of the Game

Be the first player to claim 3 spaces in a row, column, or on the diagonal to win the game.



*Three ways to win!*

## Materials

- Fraction Tic-Tac-Toe Board
- Paper to create a shared tic-tac-toe record sheet
- 2 different color pens, pencils, crayons, or markers

## Skills

This game helps us practice

- Comparing fractions
- Creating equal fractions

## How to Play

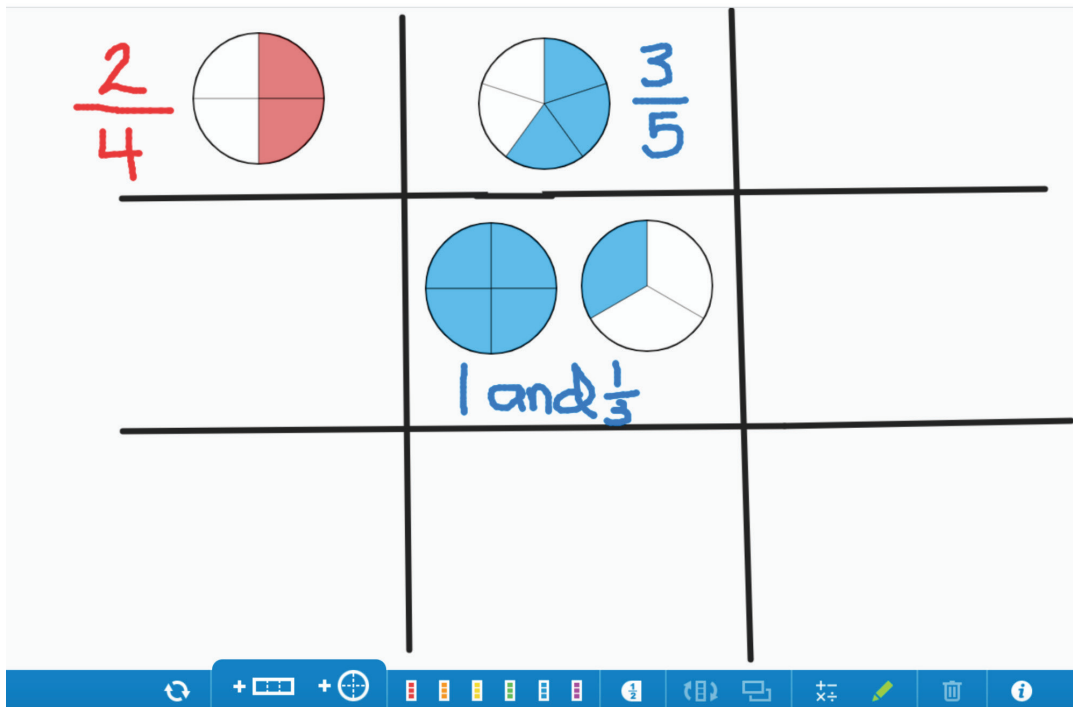
1. Draw a large tic-tac-toe grid on a sheet of paper.
2. Each player chooses a different color pen, pencil, crayon, or marker.
3. Players take turns choosing a space on the Fraction Tic-Tac-Toe Board and recording their response in the corresponding space on the record sheet.
4. The first player to claim 3 spaces in a row, column, or on the diagonal wins the game.
5. Have fun!

## Tips for Families

- As you play, talk about why you are choosing each space as you claim it.
- Ask your child to prove their thinking. How do they know their fraction is greater than, equal to, or less than the fraction in the space? Be sure to prove your thinking as well.

## Change It Up

- Making even small changes to a game can invite new ways of thinking about the math. Try making one of the changes below.
- Change the requirements. Draw AND write a fraction to claim a space.
- Invite your child to create a new Tic-Tac-Toe Board with new fractions.
- Create a new Tic-Tac-Toe Board with fractions. Flip a coin. If you get heads, draw or write a fraction greater than the fraction in the space. If you get tails, draw or write a fraction less than the fraction in the space.
- Try drawing your fractions for each space using the free Fractions app, available at [www.mathlearningcenter.org/resources/apps/fractions](http://www.mathlearningcenter.org/resources/apps/fractions). You could even use the draw tool to make the Tic-Tac-Toe board and play in the app!



# Fractions Tic-Tac-Toe Board

Equal to $\frac{1}{2}$	Less than $\frac{3}{4}$	Equal to $\frac{2}{12}$
Equal to $\frac{4}{10}$	Greater than 1	Greater than $\frac{1}{3}$
Less than $\frac{8}{10}$	Less than $\frac{1}{2}$	Greater than $\frac{1}{6}$