

FRACTION CLASSIFY IT!

Fraction Classify It is a fraction classifying game to help children develop an understanding of, and familiarity with, mathematical vocabulary associated with fractions and also how fractions relate to decimals and percentages. It is quick and easy to play, and is very straightforward to set up.

Age range: 5th Grade +

Learning:

- Fractions, decimals and percent conversion
- Vocabulary:
 - o Equivalent and improper fractions

You will need

- Each player will need 8 counters of his/her own color.
- 2 dice
- A calculator

Instructions

- Each player takes turns to roll the 2 dice. The player then decides which dice roll will be the numerator of their fraction, and which will be the denominator. The player then chooses one classification hexagon on the board which matches the fraction they have rolled. They cover up this hexagon with a counter.
- This is then checked by another player, using a calculator if necessary.
- If the player who placed the counter was wrong, then the counter is taken back.
- If a person cannot find any property hexagon which matches their number, they pass the dice on to the next player.
- The game finishes when all the hexagons are covered up.
- The winner of the game is the person who manages to cover up most hexagons.

Variations

- Alternative winning strategy:
 - o The winner of the game is the first person to get 3 counters in a row (vertical or diagonal).

Example of Play

- Sally rolls a 3 and a 6. She chooses to make the fraction $\frac{3}{6}$. She covers up the 'Equivalent to a half' hexagon. This is correct, so her counter stays.
- Frazer rolls a 2 and a 5. He makes the improper fraction $\frac{5}{2}$. He decides to cover up the >2 hexagon. He is correct as his fraction is equal to 2.5, so his counter stays.

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Who will cover up the most hexagons?

