Rational Number Project 1

<http://www.teacherspayteachers.com/Product/Turkey-Fractions-Representing-Fractions-in-Pictures-Words-and-Numbers>

1.  NCTM Standard(s):

* Understand numbers, ways of representing numbers, relationships among numbers, and number systems
* develop understanding of fractions as parts of unit wholes, as parts of a collection, as locations on number lines, and as divisions of whole numbers;
* use models, benchmarks, and equivalent forms to judge the size of fractions;

2.  Launch:  I had Thanksgiving this weekend and we had two different pies at my dinner. One was cut in six pieces one was cut in five pieces. My mom asked me which one I wanted. I really love pie so I want the biggest piece. What pie should I take?

3. Explore:

Use the fraction cards to have students play “Go Fish!” To play, a small group of students divide out 3-4 cards per player. The rest of the cards are placed face-side down spread out in the middle of the players. Students work to make a set of 3 cards that represent the same fraction (as shown below). During their turn, players ask one other player for a card that will help them complete a fraction set. If the player that is asked does not have that particular card in their hand, they he/she will respond with “Go Fish,” which indicated that the player must pick a card from the pile. When a set is made, the set will be placed on the floor in front of the player. The first person to make a set with all of their cards wins.

We will show examples of this with students before they play the game with their small group.

4. Share: Students will share as a class who won, and if they found any trick to help them win the game. What was some hard one for the students to find or say?

5.  Summarize:  There are some challenge cards in the deck. Students will be assigned for their homework to match these cards correctly and draw, write in words, and as a proper fraction two fractions.