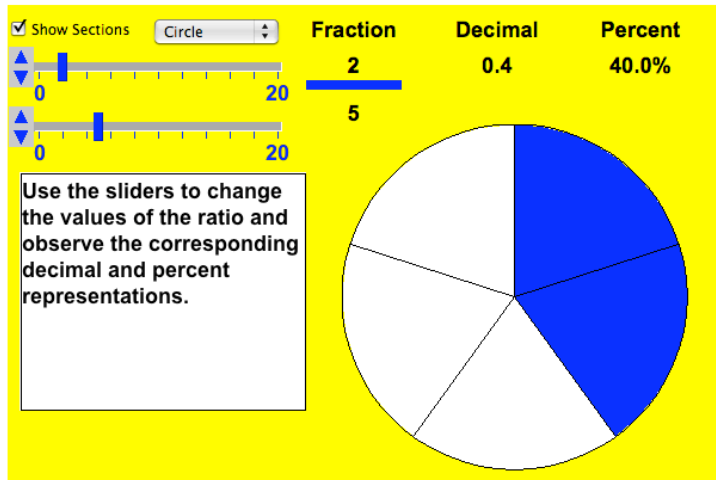


4.1.4 Compare and order fractions and decimals

Using the **Fraction Model I** online activity, students will explore the connections between fractions and decimals. <http://illuminations.nctm.org/ActivityDetail.aspx?ID=11>



Fraction cards can be printed out from

<http://www.dr-mikes-math-games-for-kids.com/card-math-fraction-game.html>

These cards will have some denominators that can't be made on the site, so you may want to make your own cards that have values that match those on the activity. *

1. Shuffle the cards and distribute to the class with a sticky note for each card.
2. Have students make the fraction with the sliders on the Fraction Model I for each of the cards they have, and write the decimal equivalent on the sticky note. They will find that they can't make all the fractions (even denominators and fifths only for some reason) and they can put those aside for a later discussion.
3. Then they will need to order them from smallest to largest.
4. In math journals, write the list in order and explain how you can tell which fraction is larger. Do you notice any patterns?
5. Class share on a pocket chart: Order the class' deck from smallest to largest.

*



(I grabbed these off the activity. These have all the denominators for this activity.)