

Math Lesson

Lesson Title: Fractions

Grade: 4th/going into 5th

Content Standard:

4.NF.2--Compare two fractions with different numerators and different denominators, e.g., by creating common denominators or numerators, or by comparing to a benchmark fraction such as $\frac{1}{2}$. Recognize that comparisons are valid only when the two fractions refer to the same whole. Record the results of comparisons with symbols $>$, $=$, or $<$, and justify the conclusions, e.g., by using a visual fraction model.

Materials: fraction task cards (attached), fraction strips handout (attached)

See Resources below.

Shared Experience and procedure details:

Objective: Students will play war using fraction task cards to see which fraction is higher.

Set up: Each group needs one set of fraction task cards and a fraction strip handout.

Step 1: First student picks a card and partner picks another card. They compare the fraction cards and see which one is more. They may use the fraction strip handout to check their answers.

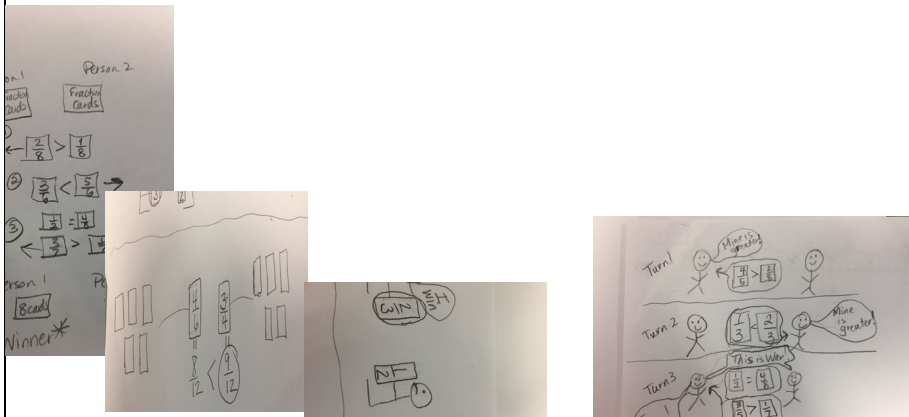
Step 2: repeat the process until there are no cards left.

Step 3: If there is a tie (equivalent fraction) each student needs to lay another card down and whoever wins that one wins all 4 cards.

*This can be adapted to 3rd grade by removing unwanted cards prior to playing. You could also add other cards to adapt for 5th grade.

*We added $\frac{2}{4}$, $\frac{3}{6}$, $\frac{4}{8}$, $\frac{5}{10}$, and $\frac{2}{8}$ to the blank cards on the task sheets.

Possible Picture:

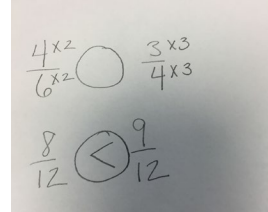


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Possible People Talk: we played a card game, we had to see who had the biggest fraction, the person with the biggest fraction won, we had to compare our fractions, $\frac{1}{2}$ is the same as $\frac{2}{4}$ and had to pick another fraction card, we looked at the numerators and denominators, the closer the numerator and denominator are

Feature Talk: **compare, equal, fractions**, $\frac{1}{2}$ (or other fraction amounts), bigger, smaller, **greater than, less than**, same, different, numerator, denominator, larger pieces, smaller pieces, cards, game,

Possible Symbolic Representation:



The image shows two handwritten mathematical expressions. The first expression is $\frac{4 \times 2}{6 \times 2} \bigcirc \frac{3 \times 3}{4 \times 3}$, where the circle is empty. The second expression is $\frac{8}{12} \bigcirc \frac{9}{12}$, where the circle contains a less-than sign (<).

Written By:

Date:

[Fraction Strip Handout](#)

[Fraction Task Cards](#)