Fraction Action

Purpose & SOL

- The student will compare two fractions to determine >, <, = and perform an exercise once solved.
- Math 1.3, 2.3, 3.3, 4.2, 5.2

Materials

- Any comparing fractions worksheet where students decide equality. Or use the one attached for 4^{th}-5^{th} grade.
- Make a poster, write on the board, or the worksheet assigned exercises for >, <, = (> hop on left foot, < hop on right foot, = jump rope on both feet)

Length
20 min.

Introduction

Write a comparing fractions problem on the board (2/3 , 3/4) . Discuss how you know if the comparison is >, <, =. Find a common denominator (12) and solve. Since the answer is <, explain that students will do 12 hops on their right foot (the right fraction is larger). Do the same with (1/2, 1/5) to show > and complete 10 hops on your left foot. Repeat with (1/4, 4/16) to show = and complete 16 jump ropes on both feet.

Implementation

Exercise the Answer

1. Distribute student worksheet. Teacher may decide to have students work in pairs or alone.
2. Students will stay standing and solve each problem on paper.
3. Before moving on to the next problem, the student must complete the exercise to "show" their answer. Remind them to find the common denominator and do that many of the exercise. (Or you can just have them do 10 hops, regardless of the common demoninator.)
4. Continue until the students are finished with the worksheet. Finished students should do cross crawls (elbow to knee).

Cool Down

Review the answers by stretching side to side for > and < (stretch arm up and to the left for > and up and to the right for <), and stretch both arms to the sky and to the floor for =.

Modifications

Change the exercise to sky punches instead of hops, or choose something new using the left and right sides of the body.
Use fraction pictures for lower grades.
Only use common denominators if teaching to higher grades.

Name _____

Fraction Action

Directions: Compare the fractions below by finding their least common denominator. If the answer is >, hop on your left foot. For <, hop on your right foot. If =, hop on both feet. You will do hops based on the number that is the common denominator.

1) $\frac{2}{4} \square \frac{1}{2}$

2) $\frac{2}{6} \square \frac{1}{5}$

3) $\frac{1}{2} \square \frac{1}{11}$

4) $\frac{1}{2} \square \frac{2}{3}$

5) $\frac{2}{4} \square \frac{1}{7}$

6) $\frac{3}{9} \square \frac{1}{2}$

7) $\frac{1}{4} \square \frac{2}{8}$

8) $\frac{5}{8} \square \frac{1}{2}$

9) $\frac{1}{3} \square \frac{4}{11}$

10) $\frac{3}{5} \square \frac{2}{4}$

Directions: Compare the fractions below by finding their least common denominator. If the answer is >, do sky punches with your left arm. For <, do sky punches with your right arm. If =, both arms sky punch. You will do punches based on the number that is the common denominator.

11) $\frac{9}{12} \square \frac{3}{4}$

12) $\frac{4}{5} \square \frac{1}{6}$

13) $\frac{9}{10} \square \frac{1}{2}$

14) $\frac{1}{2} \square \frac{1}{7}$

15) $\frac{1}{3} \square \frac{2}{12}$

16) $\frac{6}{8} \square \frac{1}{4}$

17) $\frac{1}{6} \square \frac{7}{8}$

18) $\frac{9}{12} \square \frac{3}{4}$

19) $\frac{1}{4} \square \frac{1}{2}$

20) $\frac{1}{7} \square \frac{3}{11}$