

Adding & Subtracting  
Lesson Title:           Fractions           Designer: Robin Carden  
Discipline: Math Grade Level: 4-5

## Activity 1: Fraction Cards

*(Appropriate for AFTER the Broadcast Lesson)*

**Activity Goal:** Use number cards to build fractions and decompose them into fractional parts.

**Targeted Math Skills:** Decomposing Fractions

**Materials:** Scissors, paper, pencil, and Number Cards.

### Steps:

1. Cut out the number cards.
2. Mix them up and draw two.
3. Place the lesser value on top of the greater value.
4. Decompose the fractions you created into fractional parts.
5. Can you do it more than one way?

## Activity 2: 22 Seventeenths

*(Appropriate for AFTER the Broadcast Lesson)*

**Activity Goal:** Find the expressions that are equal to 22 seventeenths

**Targeted Math Skills:** Decomposing Fractions

**Materials:** Paper, pencil, “22 seventeenths page” - <https://tinyurl.com/44tr8buc>

### Steps:

1. Find the sum of all the expressions on the 22 seventeenths page.
2. Write another expression that has a sum of 22 seventeenths.

### Resource:

- [Illustrative Mathematics](#)

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## Additional Resources for Lesson-Related Extension Activities:

- **Student-Facing**
  - How to add fractions (My Tutoring Bee) - <https://www.youtube.com/watch?v=kIGtS95zZ7Q>
  - Fraction Games Grade 4 (Splash Learn) - <https://www.splashlearn.com/fraction-games-for-4th-graders>
- **Teacher-Facing**
  - Grade 4 (4.NF.3) About the Math, Learning Targets, and Rigor (HCPSS) - <https://hcpss.instructure.com/courses/107/pages/4-dot-nf-dot-3-about-the-math-learning-targets-and-rigor>
  - Grade 4 (4.NF.B.3), Number and Operations--Fractions, Extend Understanding of Fraction (Illustrative Math) - <http://tasks.illustrativemathematics.org/content-standards/4/NF/B/3>