

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

**Activity 1:** Egyptian Fractions  
(Appropriate for *AFTER* the Broadcast Lesson)

**Activity Goal:** Write Fractions like Egyptians

**Targeted Math Skills:** Add fractions with unlike denominators

**Materials:** Pencil, paper, “Egyptian Fractions Problem” - <https://tinyurl.com/yreyheeu>

**Steps:**

1. Using the information provided on the Egyptian Fractions problem, find the single fraction represented by the addition problems.
2. Write  $\frac{3}{4}$  in a way the Egyptians may have, using only unit fractions and never using the same unit fraction twice in the same expression.

**Resource:**

- [Illustrative Mathematics](#)

**Activity 2:** Fraction Choices  
(Appropriate for *AFTER* the Broadcast Lesson)

**Activity Goal:** Fill in the equation blanks

**Targeted Literacy/Math Skills:** Add Fractions with unlike denominators

**Materials:** Pencil, paper, “Fraction Choices” - <https://tinyurl.com/ppcsepp5>

**Steps:**

1. Look at the four fractions that Jacob had.
2. Use the four fractions to make true equations by filling in the blank spots with one of the four fraction choices.

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## Additional Resources for Lesson-Related Extension Activities:

- **Student-Facing**
  - Adding and subtracting fractions game (Math-Play) - <https://www.math-play.com/adding-and-subtracting-fractions-game.html>
  - Interactive practice adding and subtracting fractions (iknowit) - <https://www.iknowit.com/lessons/d-adding-subtracting-fractions-like-denominators.html>
- **Teacher-Facing**
  - Grade 5 (5.NF.A.1), Number and Operations--Fractions, Extend Understanding of Fraction (Illustrative Math) - <http://tasks.illustrativemathematics.org/content-standards/5/NF/A/1>
  - Grade 5 (5.NF.1) About the Math, Learning Targets, and Rigor (HCPSS) - <https://hcpss.instructure.com/courses/108/pages/5-dot-nf-dot-1-about-the-math-learning-targets-and-rigor>