

## Grade 4 Unit 3

### Lesson 7

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## Unit 3 Lesson 7: Fractions as Sums

### WU Choral Count: Three-fourths at a Time (Warm up)

#### Student Task Statement

### 1 Barley Soup

#### Student Task Statement

Lin is learning to make barley soup using a family recipe. Here are some ingredients in the recipe:



- $\frac{3}{4}$  cup of barley
- $\frac{5}{4}$  cups of chopped celery
- $\frac{6}{4}$  cups of chopped carrots
- 1 cup of chopped onions
- $2\frac{1}{4}$  cups of vegetable broth

1. Lin has only one measuring cup that measures  $\frac{1}{4}$  cup. Show how Lin could use the cup to measure the right amount of each ingredient.

- Barley:
- Celery:
- Carrots:
- Onions:
- Vegetable broth:

2. Lin later found a  $\frac{3}{4}$ -cup measuring cup. Show how she could use the cups to measure the right amount of each ingredient.

- Barley:
- Celery:
- Carrots:
- Onions:
- Vegetable broth:

#### Activity Synthesis



## 2 Sums in Fifths and Thirds

### Student Task Statement

- Use different combinations of fifths to make a sum of  $\frac{9}{5}$ .
  - $\frac{9}{5} = \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad}$
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- Write different ways to use thirds to make a sum of  $\frac{4}{3}$ . How many can you think of? Write an equation for each combination.
- Is it possible to write any fraction with a denominator of 5 as a sum of other fifths? Explain or show your reasoning.