

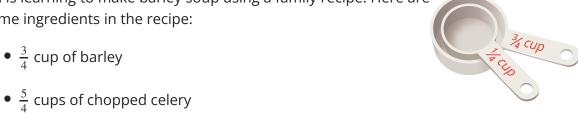
Lesson 7: Fractions as Sums

• Let's write fractions as sums.



7.1: Barley Soup

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



- $\frac{6}{4}$ 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.

o 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: o Onions:
 - o Celery: ○ Vegetable broth:
 - o Carrots:



7.2: Sums in Fifths and Thirds

1. Use different combinations of fifths to make a sum of $\frac{9}{5}$.

a.
$$\frac{9}{5} = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$$

b.
$$\frac{9}{5} =$$
_____+____+_____+______

c.
$$\frac{9}{5} =$$
____+____+

d.
$$\frac{9}{5} =$$
____+

- 2. 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.
- 3. Is it possible to write any fraction with a denominator of 5 as a sum of other fifths? Explain or show your reasoning.