

Decomposing fractions into sums other
than unit fractions

Connect

$$\frac{3}{4} = \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$$

unit fraction
↓

I do

I'm going to make the fraction $\frac{6}{8}$. Lets decompose this into different sums:

We do

Let's say that Mrs Mitchell has $\frac{7}{8}$ of a pie, and wants to put the pieces into plastic bags. What are some ways she can divide up the pieces?

You do together on whiteboard

Mrs Ramsey hardly had any trick or treaters. She has $\frac{9}{10}$ of the 10 peanut butter cups she bought to give away left, and wants to split them with her friends at school. What are some ways she can do it?

2 different ways

You do alone on index card

Mrs Johnson divided her class into 10ths, $\frac{2}{10}$ th of the students need to stay and finish up a test, but the other $\frac{8}{10}$ are going to go read to the kindergarten classes. What are some ways she can divide up her class to send them?

2 different ways