

Example Tasks with Complex Fractions

1. Suppose I have a box of six cupcakes and I eat two of them. Find four different fractions that represent the number of cupcakes eaten from the box. Two of the fractions must have a denominator less than six.

2. Solve the following problem in two different ways. Provide a picture and symbolic representation for each solution.

Sandy has 24 meters of string. She needs exactly 3 meters of string but does not have a meter stick to measure this out. How can she get exactly 3 meters using only the string she has?

3. An 8 inch piece of string represents $\frac{4}{9}$ of the total amount of string you have. How much string do you have?

4. I had $\frac{3}{4}$ of a small pizza leftover from a party. If I share that equally with a friend, how much of a pizza will we each get?

5. I had $\frac{3}{4}$ of a small pizza leftover from a party. If $\frac{1}{2}$ of a pizza is a serving, how many servings do I have?