## Adding and subtracting fractions

Two-step problems


## What is a two-step problem?



## Two-step problem

- Solve the problem in the first step
- Solve the problem in the second step
- Now, you're done


## Here's an example




Grandmother told the girls to gather wild rice from the lake shore


The first granddaughter gathers rice from $4 / 7$ of the shore

The second granddaughter gathers rice from $2 / 7$ of the shore How much of the shore is left?

## What is the first step?





## STEP ONE

$$
\frac{4}{7}+\frac{2}{7}=\frac{6}{7}
$$

## This is how much rice was gathered already

## Step two

## Subtract



## Step two

## Subtract



Subtract from the whole

## This can be a tiny bit tricky

You have gathered rice from this fraction $\frac{6}{7}$


You subtract from the whole. A whole of anything - a whole lake shore, a whole pot of stew, a whole snake, a whole anything is 1.

$$
\begin{aligned}
& 1-\frac{6}{7}= \\
& \frac{7}{7}-\frac{6}{7}=\frac{1}{7}
\end{aligned}
$$

Ne



## If you don't have a model

1. Add up the different fractions to find the total amount you have gathered
2. Subtract the answer you found in step one from 1

- Hint: You might find it easier to change 1 to a fraction like 7/7

