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

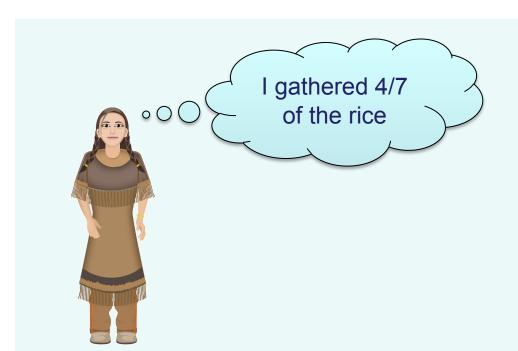
The second granddaughter gathers rice from 2/7 of the shore

How much of the shore is left?

What is the first step?

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Figure out how much was already gathered







STEP ONE

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

This is how much rice was gathered already

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Step two

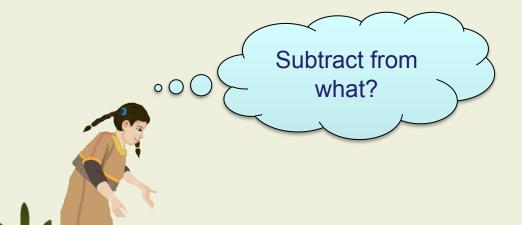
Subtract



Step two

Subtract

Subtract from the whole





This can be a tiny bit tricky

You have gathered rice from this fraction

6 7





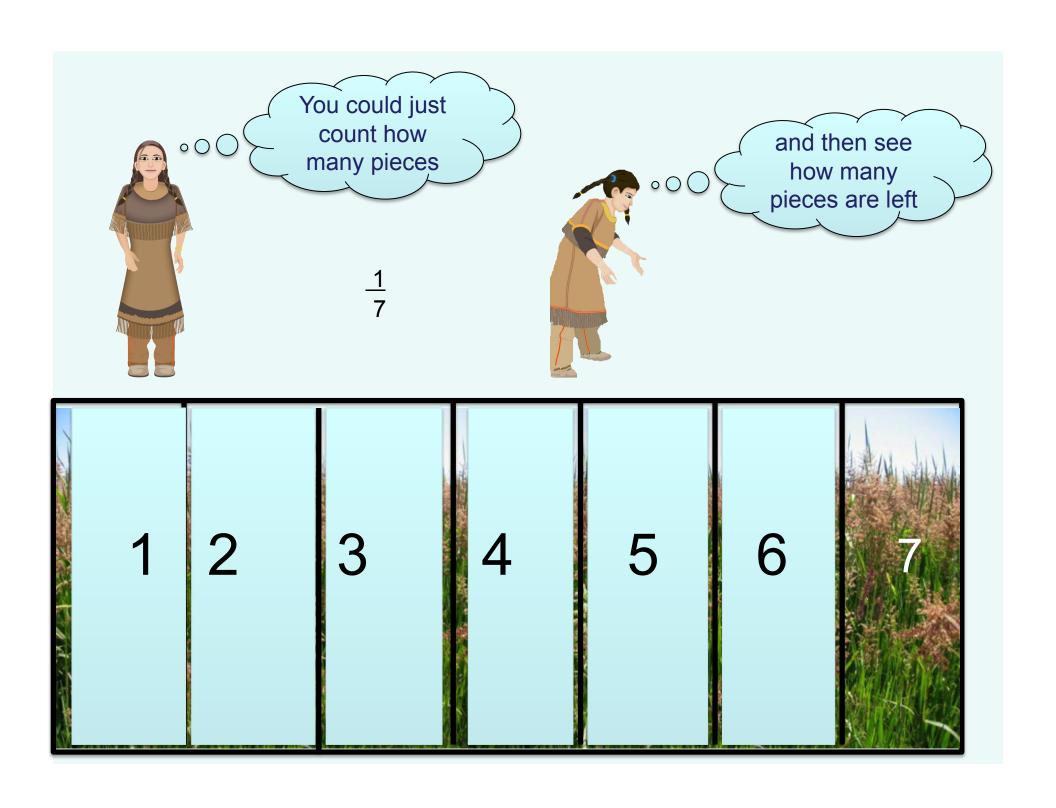
You subtract from the whole. A whole of anything – a whole lake shore, a whole pot of stew, a whole snake, a whole anything is 1.

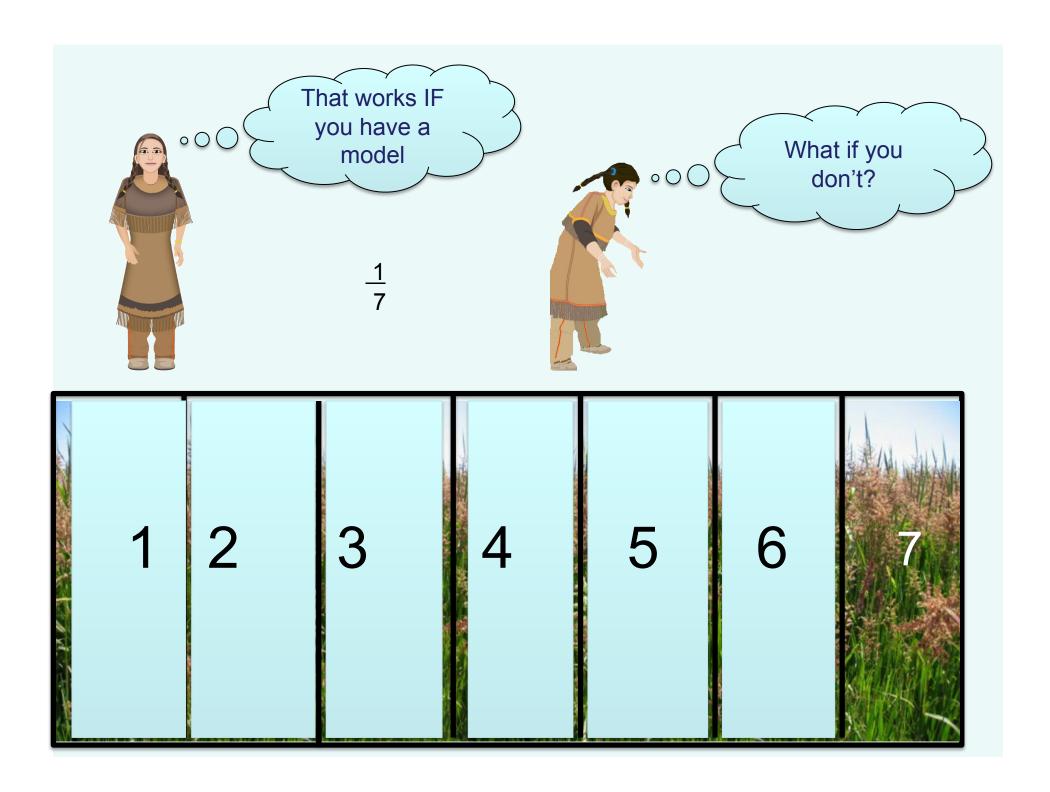


$$\frac{1-\frac{6}{7}}{7} =$$

$$\frac{7}{7} - \frac{6}{7} = \frac{1}{7}$$

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If you don't have a model

- 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

