

# No Matter How You Slice It

Make up and solve two of your own slicing problems. In **problem A, you should not have any cheese left over** and in **problem B, you one must have some cheese leftover**.

For each problem, you need to determine how much cheese you start off with: how long is your block of cheese? You also need to say how thick you want the slices of cheese to be—or you can decide how many slices you will need in total. Keep in mind that the thickness of each slice should be between  $\frac{1}{32}$  and  $\frac{1}{2}$  inches thick.

After you create your problems, make a poster showing each problem and its solution. Each solution should include an *explanation*, at least one *calculation*, and a *diagram*.

## Problem A - Slicing problem with no cheese left over

Problem Statement:

Solution:

## Problem B - Slicing problem with cheese left over

Problem Statement:

Solution: