

No Matter How You Slice It

Student Name: _____

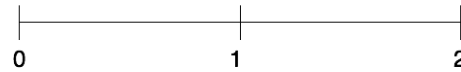
Handout

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Instructions

The chef was busy making sandwiches for school lunches this morning. While she was making cheese slices, she often had to figure out how many slices she could get out of a block of cheese. For each of these questions, draw a picture and write an explanation of how you answered the question.

This is a block of cheese that is two inches long.



This a $\frac{1}{12}$ " slice of cheese.



1. How many $\frac{1}{12}$ " slices can the chef make with a block of cheddar that is 2 inches long?
2. The chef is now making slices of American cheese that are $\frac{3}{8}$ " thick. If she has a large block of cheese that is 6 inches long, how many slices can she make?
3. How many $\frac{3}{16}$ " slices will she get from a small block of Gruyère cheese that is $\frac{3}{4}$ " long?
4. Now the chef is making much bigger slices $\frac{2}{5}$ " thick. She has a block of cheese $1\frac{1}{4}$ " long.
 - a. How many complete slices will she get?
 - b. **How thick** is the leftover piece (measured in inches)?
 - c. **What fraction** of a slice is left over?

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5. How many $\frac{3}{8}$ " slices will she get from a block of Swiss cheese that is 5 inches long?

Bonus Puzzler: Can you cut a wheel of cheese into 8 equal parts with three straight slices?

