





Utah Bakery Cakes

Here's something to think about . . .

The Utah Bakery has come up with THE COOLEST specialty cakes. They're triangular cakes. Each triangular cake is made up of pieces with various flavors. Every flavor is cut up in a different shape so the bakers can tell them apart. Each flavor costs a different amount too. These are the shapes and their flavors:

Chocolate Mint 	Strawberry 
Blueberry 	Lemon 

1. For the triangular Specialty Cake the bakery includes at least two pieces of each kind of cake. It is the smallest cake you can make with at least 2 pieces of each kind of cake. Can you find a way to do that? What fractional value do each of the geometric shapes have? (Day #1)
2. For the Bargain Cake, they make a triangular cake (the same size as the specialty cake) as inexpensively as possible. The costs for the different flavors of cake are in the table below. What's the least expensive cake Utah Bakery can make?

\$.50 Chocolate Mint

\$1.00 Strawberry

\$.75 Blueberry

\$1.75 Lemon

For each cake:

- Draw your design.
- Write a paragraph below your design explaining in detail the process you used and how you decided which pieces to use and well as what fractional value each geometric shape has. What patterns did you notices.