

## Creating the perfect glass of chocolate milk

1. I don't like too much chocolate in my milk. But my brother likes his milk really dark. We thought it would be handy to know how to mix it just right for each other. So, we decided to calculate the percent of chocolate we each like in our milk.

	Chocolate syrup	Milk	Total amount of mixture	% solution
Sam's favorite mix	1/4 cup syrup	1 cup milk		
My favorite mix	1 Tb = 1/16 cup	1 cup milk		

2. I made a pitcher of milk the way I like it and left it in the refrigerator. Sam wanted some of my mixture but he felt that he needed to add more chocolate to the glass.

	%	Chocolate syrup	Milk	Total amount of mixture
My favorite %				1 cup
Sam's favorite %				

Sam will have more than 1 cup of chocolate milk. How much chocolate syrup should he add?

3. Our dad is like Goldilocks. He thinks Sam's mix is too dark and mine is too weak. He likes it "just right." Choose a favorite percent for my dad's chocolate milk and figure out how to make him about a cup of chocolate milk from what is already in the refrigerator.