

Name: _____

Creating the perfect glass of 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
Dan's favorite mix	1/4 cup syrup	1 cup milk		
My favorite mix	1 Tb = 1/16 cup	1 cup milk		(round your answer)

2. I made a pitcher of milk the way I like it and left it in the refrigerator. Dan 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
Dan's favorite %				

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

3. Our dad is like Goldielocks. He thinks Dan's mix is too dark and my milk 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.