

WHAT'S THE MIXTURE?

Writing and solving proportions

Write and solve a proportion for each problem.

1 Jonathan is mixing some pancake batter. He pours 6 cups of milk into a bowl. How many cups of flour should he add to the milk if the recipe calls for 2 cups of flour to every 1 cup of milk?



2 Yoko uses special car soap to wash her car. She mixes 112 quarts of water and 4 caps of soap in a bucket. How much water does she need to make a mixture with 7 caps of soap?

3 Maria was baking cinnamon rolls. One 2-ounce serving contains 180 calories. If Maria eats 6 ounces of cinnamon rolls, how many calories would she have?

4 Harold is thirsty after football practice. He usually makes fruit punch to drink. He mixes 2 tablespoons of punch mix with 12 ounces of water. Today, he is quite thirsty, so he fills a 48-ounce container with water. How much punch mix should Harold add to the water?

5 Gina is making spaghetti and meatballs for a party. When she makes meatballs for her family, she usually makes 8 meatballs. There are 3 people in her family. How many meatballs should she make if 27 people are coming to the party?

6 Jamil has his own catering company. He gives his customers a choice between chicken and steak dinners. Last week, he catered a dinner for an anniversary party. Out of 840 people at the party, 560 of them chose the chicken dinner. Jamil is getting ready to cook his family dinner. If there are 3 people in his family, how many chicken dinners should he prepare?

7 Rainey likes mixing her own seasoning mix. She mixes 3 tablespoons of basil for every 7 tablespoons of oregano. How many tablespoons of basil does she need to make a mixture with 42 tablespoons of oregano?

