

Mixture

1. A solution containing 30% chicken broth is to be mixed with a solution containing 50% chicken broth to make 200L containing 42% chicken broth. How much of each solution should be mixed?
2. The Fish Shop has a 10kg of mixed dolphin free tuna and *wild* salmon which sells for \$8.40 per kg. Dolphin free tuna alone sells for \$8 per kg and *wild* salmon sells for \$9 per kg. How many kg of each are in the mix?
3. Solution A is 50% peanut butter and solution B is 80% peanut butter. How much of each solution should be used to make 100mL of a solution that is 68% peanut butter?

4. A South American Rainforest Spider Monkey has a solution that is 60% banana juice and another solution that is 40% banana juice. How much of each solution is needed to make a 100L solution that is 50% banana juice?

5. The pack of wild Kiyoi's has a 50 gallon carton of orange juice with 6% pulp. How much orange juice with no pulp should be mixed to make orange juice that has 3% pulp?

6. In the Carly Nick-Knack Shoppe Hawaiian pineapple is worth \$5 per kg is mixed with Jamaican strawberries worth \$8 per kg the mixture is worth \$7 per kg. How much of each type of fruit should be used to make 300kg of the Carly Nick-Knack Shoppe Surprise Fruit Mix?

7. A solution containing 30% rat poisoning is to be mixed with a solution containing 50% rat poisoning to make 200L of a solution containing 42% rat poisoning. How much of each solution should be used?
8. Solution A is 50% maple syrup. Solution B is 60% maple syrup. How much of each is needed to make a 100L solution that is 51% maple syrup?
9. Drink A is 20% Guava juice and drink B is 40% Guava juice. How much of each is needed to make 40L of a drink that is 35% Guava juice?
10. House blend coffee is 50% Columbian beans and Special blend coffee is 80% Columbian beans. How much of each should be used to produce 100kg of a blend that is 68% Columbian beans?