

### Mixture Problem Questions

1. A sugar solution was made by mixing 8 qt. of a 2% sugar solution and 6 qt. of a 51% sugar solution. Find the concentration of the new mixture.
2. How many gallons of a 65% saline solution must be mixed with 8 gallons of pure water to make a 25% solution?
3. Kristin wants to make 6 gallons of a 34% alcohol solution by mixing together a 24% alcohol solution and a 64% alcohol solution. How much of each solution must she use?