

Mixture Problems

1. How many gallons of a 3% acid solution must be mixed with 60 gallons of a 10% acid solution to obtain an acid solution that is 8%?
2. How many gallons of each of a 4% and an 11% salt solutions should be mixed to obtain 35 gallons of a 7% solution?
3. How much water should we add to 20 gallons of a 15% acid solution to dilute it to a concentration of 12%?