

**Quiz 36** .....

1. How much water should be added to 180 liters of a 25% saline solution to make an 18% saline solution?
2. A 20% alcohol solution is to be mixed with a 50% alcohol solution to produce 15 gallons of a 40% alcohol solution. How much of each should be used?
3. A chemist wants to make 30 ounces of a 24% acid solution by mixing a 15% acid solution and a 30% acid solution. How much of each should be used?
4. Coffee A costs \$15 per pound. Coffee B costs \$12 per pound. How much of each should be mixed to produce 18 pounds of a coffee blend that costs \$13 per pound?
5. Walnuts sell for \$4.50 a pound. Almonds sells for \$6 a pound. A store wants to make 25 pounds of a mixture to sell for \$5.10 per pound. How much of each should be used?