50 Word Problems Involving Rational Equations
(Part 12)

45. Andy has some ground beef that is 80% lean and some that is 88% lean. He wants to make 400 pounds of a hamburger mix that is 85% lean. How much of each type should Andy use?

46. A chemistry teacher needs 100 gallons of 50% alcohol solution. She has a 30% solution and an 80% solution. How much of each should be used?

47. Ron has 20 ounces of a 20% salt solution. How much salt should he add to make it a 25% solution?

48. Ron has 20 ounces of a 20% salt solution. How much water should he evaporate to make it a 30% solution?