



**Problem 1:** When Mia's sister adopted a dog, Rufus, he weighed 5 pounds. The vet said Rufus should weigh over 9 pounds and suggested Rufus be fed more treats so he would gain weight. If Rufus gains one-half pound each week, when will he weigh over 9 pounds?

**Problem 2:** Rufus ate too many treats and grew to a weight of 30 pounds! The vet said Rufus should weigh under 14 pounds. If he loses 3 pounds per month, when will Rufus weigh less than 14 pounds?