Math 0020 April 19, 2017 Homework 22

Solve each application problem. First, select two variable for the two unknowns. then write a 2x2 linear system, solve the linear system, and express your answer in plain English.

1. Kids like a 2% sugar drink for lunch. The storeroom has a Sugar High 3.5% sugar drink, and the store will sell a 1.4% sugar Healthy Kid drink. How much of each should be used to produce 8 gallons of 2% sugar drink?

2. There are 44 nickels and quarters worth \$5.60. How many nickels and how many quarters are there?