1. One week, Tom worked 25 hours and his friend Bob worked 20 hours. Together they earned $500. The following week Tom worked 20 hours and Bob worked 22. Together they earned $460. What is the hourly rate of pay for each of them?

2. Maria is an electrician who gets paid a “show-up” fee and an hourly rate for each job. One day, she worked two jobs. For the first job, she worked 5 hours and earned $255. For the second job, she worked 4 hours and earned $213. Find her “show-up” fee and her hourly rate.

3. Andrew makes a special pasta sauce at his restaurant. The sauce uses a particular brand of canned tomatoes and also a particular type of sausage. One day, Andrew bought 40 cans of tomatoes and 10 pounds of sausage. It cost him $56.50. The following day, he bought 32 cans of tomatoes and 9 pounds of sausage. It cost him $46.05. What is the cost of a can of tomatoes and of a pound of sausage?

4. Ruth’s age added to Mark’s age is 35 years. Double Ruth’s age added to three times Mark’s age is 95 years. How old is each of them?

5. Ben has 38 coins, consisting of quarters and dimes. The value of his coins is $6.80. How many of each coin does he have?

6. Tanya gets paid $15 an hour and Lily gets paid $22 an hour. One day they worked a total of 12 hours and earned $168. How many hours did each of them work?