Problem Solving: Too Much or Too Little Information

Choose a model to solve each problem. If there is not enough information, tell what information is needed.

1. Ivan paid for his lunch with a $20 bill. How much change did he receive?

2. Stephanie had $42 in her wallet. She bought a CD for $15 and a book for $7. How much did Stephanie spend?

3. The library has 2,000 used books for sale. The books are sorted into nonfiction, fiction, and children’s books. There are 500 children’s books. There are 200 more fiction books than nonfiction books. How many fiction and nonfiction books are for sale in all?

4. A school bus has 48 seats. The bus picks up 12 students at its first stop. At the second stop, 9 students board the bus. If 8 fewer students board the bus at the third stop than the fourth stop, how many empty seats are left after the fourth stop?

5. The Kelly Farm Stand is open from May 1 through September 30. In August, 324 dozen ears of corn and 7,695 pounds of tomatoes were sold at the stand. If a dozen ears of corn cost $3 and a pound of tomatoes cost $1, how much did the stand make from corn and tomatoes during the year?

6. Mark and Allyn work at the Kelly Farm Stand. Mark earns $8 per hour, while Allyn earns $11 per hour. Last week, Allyn worked 6 hours on Wednesday, 5 hours on Friday, and 8 hours on Saturday. Mark worked a total of 7 hours more than Allyn last week. How much money did Mark earn last week?