Percent Word Problems

Create a bar model to solve each problem. Show all of your work.

1) Jennifer made a fruit juice using red and green grapes. Thirty percent of the grapes are green. If she used a total of 60 grapes, how many red grapes should she use?

2) Danny just hired a new employee to work in the bakeshop. In one hour the employee burned 625 chocolate chip cookies. If this represents 25% of the day's production, how many cookies did you plan on producing that day?

3) Your budget for the landscaping the front of the house is $4000. You spend 30% on trees and flowers. How much money did you spend on trees and flowers?

4) You have a large container of olive oil. You have used 84 ounces of oil. 60% of the oil remains. How many ounces of oil remains?

5) Out of 240 students 40% are wearing jeans. How many students are wearing jeans?

6) Last night 75% of the students in math class completed the homework. If 15 students did the homework, how many students are in the class?

7) Barry completed 70% of his passes as quarterback so far this season. If he completes 49 passes, how many passes has he thrown so far this season?

8) Sarah is making holiday cookies. She has baked 80% of the cookies so far. If she baked 56 cookies so far, how many does she still need to bake?

9) Harry has a baseball card collection. 30% of his cards are Red Sox players. If 87 of his cards are Red Sox players, how many cards are not Red Sox players?

10) Patty spent 45% of her money on clothes last month.   If she spent $72 on clothes, how much money did she have in all?