1. One number is four times another numbers, the sum of the numbers is 140. Find the numbers.

2. One airplane costs four times as much a a certain car. Two such planes cost \$6000 more than six of the cars. Find the cost of each.

3. A part of \$5000 was invested at 4.5% and a part at 5.5%. the 4.5% investment yields \$75 more each year than the 5.5% investment. How much is invested at each rate?

4. A man rowed up a river 10 miles in 5 hours and back in 2.5 hours. Find the rate of the current and his rate of rowing in still water.

5. A chemical company has in storage a 15% solution and a 25% solution of disinfectant. How many gallons of each should be used to make 50 gallons of a 22% solution?