1. a)  Assume that $\frac{1}{4}$ quart of lemonade concentrate is mixed with $1\frac{3}{4}$ quarts of water to make lemonade for
four people.  How many quarts of lemonade concentrate are needed to make lemonade at the same
strength for 14 people?
Show your work.

   b)  How many quarts of water are needed to make lemonade at the same strength for 14 people.