1. Lila collected the honey from 3 of her beehives. From the first hive she collected \( \frac{2}{3} \) gallon of honey. The last two hives yielded \( \frac{1}{4} \) gallon each.
   
a. How many gallons of honey did Lila collect in all? Draw a diagram to support your answer.

b. After using some of the honey she collected for baking, Lila found that she only had \( \frac{3}{4} \) gallon of honey left. How much honey did she use for baking? Support your answer using a diagram, numbers, and words.
c. With the remaining $\frac{2}{4}$ gallon of honey, Lila decided to bake some loaves of bread and several batches of cookies for her school bake sale. The bread needed $\frac{1}{6}$ gallon of honey and the cookies needed $\frac{1}{4}$ gallon. How much honey was left over? Support your answer using a diagram, numbers, and words.

d. Lila decided to make more baked goods for the bake sale. She used $\frac{1}{8}$ lb less flour to make bread than to make cookies. She used $\frac{1}{4}$ lb more flour to make cookies than to make brownies. If she used $\frac{1}{2}$ lb of flour to make the bread, how much flour did she use to make the brownies? Explain your answer using a diagram, numbers, and words.