Lesson 19: Explain remainders by using place value understanding and models.

Name ___________________________ Date ______________________

1. When you divide 94 by 3, there is a remainder of 1. Model this problem with place value disks. In the place value disk model, how did you show the remainder?

2. Cayman says that $94 \div 3$ is 30 with a remainder of 4. He reasons this is correct because $(3 \times 30) + 4 = 94$. What mistake has Cayman made? Explain how he can correct his work.
3. The place value disk model is showing $72 \div 3$. Complete the model. Explain what happens to the 1 ten that is remaining in the tens column.

4. Two friends evenly share 56 dollars.
   a. They have 5 ten-dollar bills and 6 one-dollar bills. Draw a picture to show how the bills will be shared. Will they have to make change at any stage?
   b. Explain how they share the money evenly.
5. Imagine you are filming a video explaining the problem $45 \div 3$ to new fourth graders. Create a script to explain how you can keep dividing after getting a remainder of 1 ten in the first step.