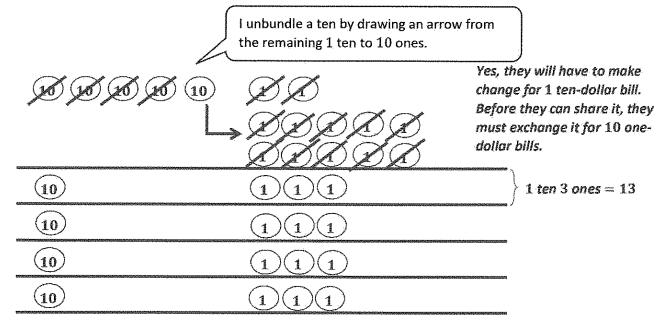
## G4-IVI3-Lesson 19

Makhai says that 97 ÷ 3 is 30 with a remainder of 7. He reasons this is correct because (3 × 30) + 7 = 97. What mistake has Makhai made? Explain how he can correct his work.
Makhai stopped dividing when he had 7 ones, but he can distribute them into 3 more groups of 2. If he does so, he can make 3 groups of 32 instead of just 30.

There are not enough ones to distribute into 3 groups. I record 1 one as the remainder.

- 2. Four friends evenly share 52 dollars.
  - a. They have 5 ten-dollar bills and 2 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.

Each friend gets 1 ten-dollar bill and 3 one-dollar bills.

3. Imagine you are writing a magazine article describing how to solve the problem  $43 \div 3$  to new fourth graders. Write a draft to explain how you can keep dividing after getting a remainder of 1 ten in the first step.

Sample answer: This is how you divide 43 by 3. Think of it like 4 tens 3 ones divided into 3 groups. First, you want to distribute the tens. You can distribute 3 tens. Each group will have 1 ten. There will be 1 ten left over. That's okay. You can keep dividing. Just change 1 ten for 10 ones. Now you have 13 ones altogether. You can distribute 12 ones evenly. 3 groups of 4 ones is 12 ones. 1 one is remaining. So, your quotient is 14 R1. And that's how you divide 43 by 3.

			R1
3	4	3	
_	3.		
	\$	and the same of th	
	1	3	
متعلسوا	1	2	

1

@2015 Great Minds. eureka-math.org G4-M1-HWH-1.3.0-07.2015