Regroup in Division

You can use play money to solve problems.

Divide 31 ÷ 2.

Step 1 Show 31 using ten-dollar bills and one-dollar bills.

Step 2 Divide the money into 2 equal groups. Start by moving the ten-dollar bills. You can place 1 ten-dollar bill in each group with 1 ten-dollar bill left over.

Step 3 Exchange the remaining ten-dollar bill for 10 one-dollar bills. Place the one-dollar bills into the 2 equal groups with the ten-dollar bill. You will place 5 one-dollar bills in each group with 1 one-dollar bill left over.

Step 4 Count the money in one of the groups.

Solution: \(31 ÷ 2 = 15 \text{ R1}\)

Divide. Use multiplication and addition to check.

1. \(4)\underline{44}\)  
2. \(6)\underline{85}\)  
3. \(2)\underline{36}\)  
4. \(5)\underline{67}\)

5. \(73 ÷ 6\)  
6. \(78 ÷ 4\)  
7. \(86 ÷ 6\)

Writing Math If 53 divided by 4 is 13 with a remainder of 1, Geraldo reasoned that 54 divided by 4 must have a remainder of 2. Is he right? Explain.

Reteach