

Name: \_\_\_\_\_

Answer the questions below with your group.

1. Mr. Haktak finds a copper pot that doubles whatever he puts in it.
  - a. Finish the table below to show how many coins Mr. Haktak will get out if he puts 10 coins in.

Number of coins dropped in	Number of coins that will come out
1	
2	
3	

- b. How many coins would Mr. Haktak need to put in the copper pot to get 34 out?  
Explain how your group found your answer.

2. Ms. Haktak finds a silver pot that adds six more of whatever she puts in it.

- a. Finish the table below to show how many coins Mrs. Haktak will get out if she puts 8 coins in.

Number of coins dropped in	Number of coins that will come out
1	
2	
3	

- b. How many coins would Mrs. Haktak end up with if she put 22 in the silver pot?

- c. How many coins would Mrs. Haktak need to put in the silver pot to get 100 out?

3. Is there a number of coins that Mr. Haktak could put in his pot, and Mrs. Haktak could put in her pot, and they would get the same number out? Explain your thinking.
  
  
  
  
  
  
  
  
  
  
4. Together, Mr. Haktak and Mrs. Haktak find a gold pot that triples the number of anything they put in.
  - a. Which pot would you most like to have—the copper pot, the silver pot, or the gold pot? Why?
  
  
  
  
  
  
  
  
  
  
  - b. Is there a number of coins that the Haktaks could put in each of the three pots, and they would get the same number out? Explain your thinking.