Early Elementary Week 7: Problem Solving

1. Tom and Tim are eating raisins. Tom has 2 more raisins than Tim. How many raisins should Tom give to Tim so they have the same number of raisins? Please start by drawing a picture.

2. Ella has 4 more raisins than Stella. How many raisins should Ella give to Stella so that they have the same number of raisins? Please start by drawing a picture.

3. Jane has 100 more stamps than Jack. How many stamps should Jane give to Jack so that they have the same number of stamps?

4. Kevin has 6 more apples than Harry, and Harry has 2 more apples than Calvin. How many apples should Kevin give Calvin so Kevin and Calvin have the same number of apples? (Hint: First find out how many more apples Kevin has than Calvin has.)

5. Thomas goes to the store with $1.00. If Thomas can buy 4 pears, and have no money left over, how much does each pear cost?

6. Calvin goes to the store with $5.00. Each kiwi is $0.50. He buys 4 kiwis. He can buy 3 papayas with the remaining money and have no money left over.

   (a) How much money did he spend on kiwis?

   (b) How much does each papaya cost?

7. Anna has $5.00 in total. An orange is $2.00 each, and an apple is $0.50 each. Anna purchases 2 oranges.

(a) How much money did Anna spend on oranges?

(b) After Anna buys the oranges, how many apples at most can she buy with the remainder of her money?

8. There are 2 different keys that open 2 different locks. You want to find out which key opens which lock. Each key opens exactly one of the locks. On each trial, you insert one key into one of the locks and see if it works or not. How many trials do you need to match the keys with the locks?

9. There are 3 different keys that open 3 different locks. Each key opens exactly one of the locks. How many trials do you need to match the keys with the locks? Think about how this problem is related to the previous one.

HOMEWORK

1. Gerald has 7 more candies than Harry, and Harry has 3 more candies than Jack. How many candies does Gerald have to give Jack so that Gerald and Jack have the same number of candies?

2. Ella went to the store with $6.00. If she purchased 12 fruit rolls, and had no money left over, how much does each fruit roll cost?