

Welcome to the Math Circle  
Early Elementary 09/29/2013

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

**SOLUTION:** 1 apple

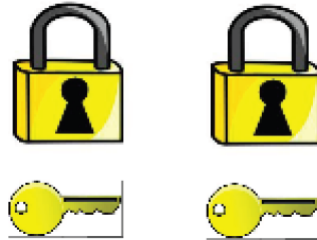
2. Ella has 4 more apples than Stella. How many apples should Ella give to Stella so that they have the same number of apples? Please start by making a picture.

**SOLUTION:** 2 apples

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

**SOLUTION:** 50 stamps

4. There are 2 different keys that open 2 different locks. How many trials do you need to match the keys with the locks? (On each trial, you insert one key into one of the locks and see if it works or not).



**SOLUTION:** 1 try

5. There are 3 different keys that open 3 different locks. How many trials do you need to match the keys with the locks? (On each trial, you insert one key into one of the locks and see if it works or not).



**SOLUTION:** 3 tries.