***Math Challenges***

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

*\*Make sure you show your work using pictures, numbers or words!*

**1.** Look at the numbers 1, 2, 3, 4, 5, 6. Add three of the numbers to get the largest

 possible sum. Add three of the numbers to get the smallest possible sum. What

 is your answer when you subtract the smaller sum from the larger sum?

**2.** There are 8 crayons in each box. Three of the crayons in each box are red. Jacob

 has a total of 12 red crayons. How many boxes of crayons does Jacob have?

**3.** Juan starts off Monday with a package of 40 cookies. He eats 2 cookies at lunch

 every school day and one cookie at lunch on Saturday and Sunday. How many

 days will the package of cookies last?

**4.** A juice machine only accepts nickels and dimes. Juice costs 45 cents. Charlie has

 1 dime and enough nickels to get a juice. How many nickels does Charlie have?

**5.** A stamp album has 9 pages. The number of stamps on each page is 4 less than

 the number of pages in the album. How many stamps are there in the album?

**6.** Selma has 4 different colored crayons: red, brown, pink, and orange. She has 5

 red crayons. The number of brown crayons is 3 more than the number of red

 crayons. The number of pink crayons is 2 less than the number of red crayons.

 The number of orange crayons is the same as the number of red and pink

 crayons. How many crayons are not brown?