

## October Math Challenge 2009

Name \_\_\_\_\_

Grade \_\_\_\_ Classroom \_\_\_\_\_

### Kindergarten – 2<sup>ND</sup> grade:

Your calculator is broken! Only the 2, 3, 5, 6 and + keys are working correctly. How could you get an answer of 13 to display on your calculator using only the working keys? Could you get 19?

### 3<sup>RD</sup> – 5<sup>th</sup> grade:

Your calculator is broken! Only the 2, 3, 5 and 6 number keys and the operation keys (+, -, x, ÷) are working correctly. How could you get an answer of 24 to display on your calculator using all 4 working number keys one time with any of the operation keys?

### 6<sup>th</sup>– 8<sup>th</sup> grade:

A combination lock uses three numbers from 0 to 39. It opens when these numbers are dialed in a particular order: right, left, right. How many possible combinations are there?

**Please answer your challenge on this sheet (show your work on the back if you need to) and return it to the Math Challenge box on the front desk in the office by the last school day of the month!**