

## Number Tricks

### 1. Magic Numbers

- A. Pick a number between 1 and 9 \_\_\_\_\_
- B. Double the number \_\_\_\_\_
- C. Add 14 \_\_\_\_\_
- D. Divide the result by 2 \_\_\_\_\_
- E. Subtract your original number \_\_\_\_\_
- F. What do you have left? \_\_\_\_\_

- Check with your group to see what number they started with and ended with.
- What do you all have in common?
- Will this always be true? Try some other numbers larger than 9.
- Examine the instructions, use tiles, or draw pictures in order to figure out why this happens.

### G. Challenge:

- Rewrite the instructions so that the resulting number is 11.
- Write your own magic number puzzle.

### 2. How old are you?

- A. Write the number of the month you were born. \_\_\_\_\_  
(Since I was born in March, I would use a 3)
- B. Double the number (take it times 2) \_\_\_\_\_
- C. Add 5 to the result \_\_\_\_\_
- D. Multiply by 50 \_\_\_\_\_
- E. Subtract 250 \_\_\_\_\_
- F. Add the present year (Example: 2003) \_\_\_\_\_
- G. Subtract the year of your birth (Example 1981) \_\_\_\_\_
- H. Circle the last two digits.
- I. The circled number is your age on your birthday this year!
- J. The uncircled number should be your birth month!