

Name \_\_\_\_\_

Date \_\_\_\_\_

Mathematics Problem Solving

## WEEK 9 level 2 Riddles

1. I am a number. I am greater than the product of 4 and eight. I am less than the difference between 550 and 515. I am an even number. What number am I?

2. I am a fraction. I am greater than  $\frac{1}{5}$  and less than  $\frac{1}{3}$ . My numerator is a one. What fraction am I?

3. I am a number. To find out what I am you must take all of the digits in the largest four digit number and add them together. Divide that number by the minimum U.S. voting age and multiply the answer by itself. Take that number and divide it by the number of quarts in a gallon. Add the result to the number of items in a gross. Now you know what I am! What number am I?

4. I am a number. I am the sum of the answers to the other three riddles. What number am I?

5. I am a number. I am double the number of squares in the array  $5 \times 4$ . What number am I?

6. I am a number. I am the difference between the amount of Senators in the US Congress and the number of states in the USA. What number am I?