

Patterns and Mental Math

1. a. Fill in the table, continuing the pattern in the top row. Then add 29 to each number in the top row to get the number in the bottom row. *Hint: instead of adding 29, add 30, and subtract 1!*

n	9	18	27	36	45	54				
$n + 29$	<u>38</u>									

b. What skip-counting pattern is there in the top row?

c. Does the bottom row have any skip-counting pattern?

2. a. Fill in the table, continuing the pattern in the top row. Then subtract 39 from each number in the top row to get the number in the bottom row. *Hint: instead of subtracting 39, subtract __, and add __!*

n	660	600	540	480	420			
$n - 39$								

b. What skip-counting pattern is there in the top row?

c. Does the bottom row have any skip-counting pattern?

3. Subtract mentally. Compare the problems in each box—and be careful!

a.	b.	c.
$500 - 3 =$ _____	$600 - 2 =$ _____	$1,000 - 7 =$ _____
$500 - 30 =$ _____	$600 - 20 =$ _____	$1,000 - 70 =$ _____
$500 - 300 =$ _____	$600 - 200 =$ _____	$1,000 - 700 =$ _____
$500 - 33 =$ _____	$600 - 22 =$ _____	$1,000 - 77 =$ _____
$500 - 303 =$ _____	$600 - 202 =$ _____	$1,000 - 707 =$ _____