Name: _____

Period: _____

Date:_____

Number Base Practice

Fill in the missing squares:

Decimal	Binary	Octal	Hexadecimal
54_{10}			
127_{10}			
	10110_2		
	11011_2		
		57_8	
		43_8	
			$3A_{16}$
			47_{16}

Adding in Binary:

	1	0	1
+		1	1

	1	1	1
+	1	0	1

	1	1	0	1
+		1	1	1

	1	1	0	0
+	1	1	0	1

Subtracting in Binary:

	1	0	1
-		1	0

	1	1	0
-	1	0	1

	1	1	0	1
-			1	1

	1	1	0	1
-		1	1	0

Adding in Octal:

		5	3	2
+			5	7

	1	3	1
+	4	5	3

	3	4	6	7
+		2	1	3

	1	5	3	2
+		7	5	1

Subtracting in Octal:

		5	3	7
-			4	4

	4	1	7
-	1	3	5

	1	5	2	1
-			7	6

	4	3	7	3
-		1	7	7

Adding in Hexadecimal:

		A	D	3
+			5	A

	A	F	1
+	4	5	8

	3	C	D	7
+		2	A	3

	1	B	B	C
+		7	7	1

Subtracting in Hexadecimal:

		4	3	8
-			A	C

	4	F	7
-	1	3	5

	C	5	F	1
-			7	6

	4	C	A	3
-		1	D	7

(Counts as 1 minor grade)