

BINARY TABLE

Name _____ Teacher _____

Complete the table below. Remember that binary numbers are written using only two digits, 0 and 1.

Decimal									Binary
Base Ten	128	64	32	16	8	4	2	1	Base Two
0	0	0	0	0	0	0	0	0	00000000
1	0	0	0	0	0	0	0	1	00000001
2	0	0	0	0	0	0	1	0	00000010
3	0	0	0	0	0	0	1	1	00000011
4	0	0	0	0	0	1	0	0	00000100
5	0	0	0	0	0	1	0	1	00000101
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									

Crack the code by writing the Base Ten number for each Binary Number below.

- | | | |
|---------------------|---------------------|---------------------|
| 1. 00000011 = 3 | 2. 00000101 = _____ | 3. 00001111 = _____ |
| 4. 00000110 = _____ | 5. 00001100 = _____ | 6. 00000111 = _____ |

Extra credit: Write the Binary Number for each Base Ten number below.

- | | | |
|------------------|---------------|---------------|
| 1. 12 = 00001100 | 2. 17 = _____ | 3. 13 = _____ |
| 4. 7 = _____ | 5. 5 = _____ | 6. 11 = _____ |