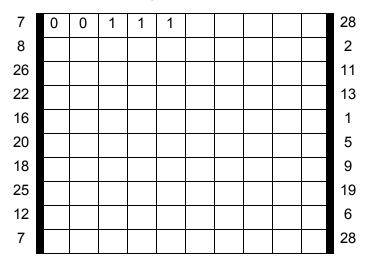
Name:	Date:				
Teacher:	Period:				

Binary Worksheet

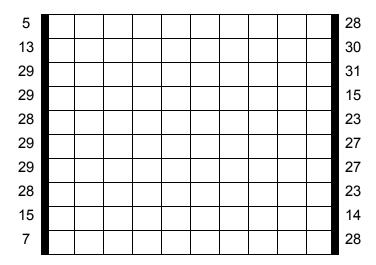
In this activity you will be converting base-10 numbers into base-2(binary) numbers. In 5-bit notation (the notation we are using) the first number=16, the second number=8, the third number=4, the fourth number=2, and the fifth number=1. For example, the 10110 would equal 16+0+4+2+0, therefore 10110=22. Each box represents a bit. The first 5 boxes are the 5-bit numbers on the left, the second 5 boxes are the 5-bit numbers on the right. I have given you the first number as an example.

Color the 0's yellow and the 1's black



The Picture above is a: _____

Color the 0's white and the 1's red



The Picture above is a:										
Color the 0's white and the 1's black										
16										1
18										9
18										9
18										9
9										18
7										28
11										26
19										25
21										21
21										21

The Picture above is a:

Teacher Instructions

Estimated Time: 25 min

Purpose: Understand Binary

Instructions: Give some background on binary, we have a powerpoint to help. They

don't need to understand it to do the worksheet though but it helps.

Answers: Smiley Face, Beats Logo, Spider