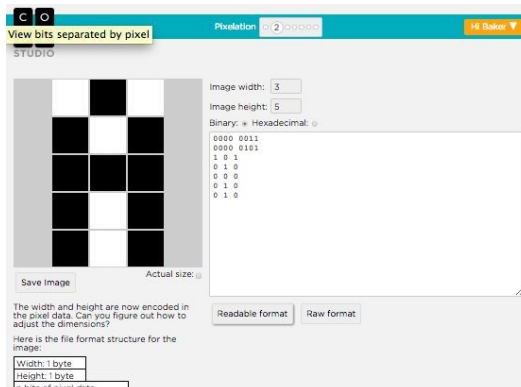


Name(s) _____ Period _____ Date _____

An Explanation of How to Encode A Black and White Image

The pixelation widget uses a file format as depicted below. For example, the 3x5 image of the letter “A,” shown at right within the Pixelation tool, would be encoded as a simple stream of these bits, organized like this (color added for emphasis):

000000110000010100000001101010000010010



We can break it up into pieces like so:

purpose	size	example
width	byte	0000 0011
height	byte	0000 0101
pixel data	varies	00000001101010000010010

B&W Image File Format

<i>metadata</i>	Bits 0-7 (1 byte) = width
	Bits 8-15 (1 byte) = height
<i>pixel data</i>	Bits 16 - n = pixel data
	0 = black (light off) 1 = white (light on)