Binary Bookmark Worksheet

5 = 00000101

0	0	0	0	0	1	0	1
128	*64*	*32*	*16*	*8*	*4*	*2*	*1*

20 = 00010100

0	0	0	1	0	1	0	0
128	*64*	*32*	*16*	*8*	*4*	*2*	*1*

12 = _____

128	*64*	*32*	*16*	*8*	*4*	*2*	*1*

27 = _____

128	*64*	*32*	*16*	*8*	*4*	*2*	*1*

65 = _____

128	*64*	*32*	*16*	*8*	*4*	*2*	*1*



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Binary Bookmark Worksheet

____ = _____

128	*64*	*32*	*16*	*8*	*4*	*2*	*1*

_____ = _____

128	*64*	*32*	*16*	*8*	*4*	*2*	*1*

_____ = _____

128	*64*	*32*	*16*	*8*	*4*	*2*	*1*

_____ = _____

128	*64*	*32*	*16*	*8*	*4*	*2*	*1*

_____ = _____



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Binary Bookmark Worksheet

Letters can be represented in binary (see attached Letter to ASCII code to Binary Table). Pick 3 letters to code in binary. It could be your initials or a 3 letter word. Write the 1's and 0's associated with each letter below.

ASCII Character Table

A	B	C	D	E	F	G	H	I	J	K	L	M
65	66	67	68	69	70	71	72	73	74	75	76	77
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
78	79	80	81	82	83	84	85	86	87	88	89	90

Letter 1: ____ = ____

128	*64*	*32*	*16*	*8*	*4*	*2*	*1*

Letter 2: ____ = ____

128	*64*	*32*	*16*	*8*	*4*	*2*	*1*

Letter 3: ____ = ____

128	*64*	*32*	*16*	*8*	*4*	*2*	*1*



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Binary Bookmark Worksheet

Choose one color to represent 1 and another to represent 0.

1 = _____ (color)

0 = _____ (color)

Fill in the bookmark below with the binary code for your 3 letters based on the colors you chose. There are two bookmarks below, in case you make a mistake or want to create another one.



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Binary Bookmark Worksheet

Letter to ASCII code to Binary Table

Letter	ASCII	Binary	Letter	ASCII	Binary
A	65	01000001	N	78	01001110
B	66	01000010	O	79	01001111
C	67	01000011	P	80	01010000
D	68	01000100	Q	81	01010001
E	69	01000101	R	82	01010010
F	70	01000110	S	83	01010011
G	71	01000111	T	84	01010100
H	72	01001000	U	85	01010101
I	73	01001001	V	86	01010110
J	74	01001010	W	87	01010111
K	75	01001011	X	88	01011000
L	76	01001100	Y	89	01011001
M	77	01001101	Z	90	01011010



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