

Binary Bracelets Worksheet

Materials Needed:

- Pencil
- 3 different color beads
- String or yarn

Procedures:

1. Pick one color to represent 1's and one color for 0's, the third color will serve as spaces (used at the start, middle, and end)
2. Find the first letter of your first name on the ASCII Code Sheet.
3. Fill in the boxes below with the code that represents that letter.
4. Lay out the beads to match the letter.
5. Repeat steps 2-4 for the first letter of your last name.
6. String the beads on your yarn or string. Use the 3rd color bead to start, end, and separate the beads used for your first and last initial.

First Initial

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Last Initial

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ASCII Code Sheet

Upper Case Letters

A	01000001
B	01000010
C	01000011
D	01000100
E	01000101
F	01000110
G	01000111
H	01001000
I	01001001
J	01001010
K	01001011
L	01001100
M	01001101

N	01001110
O	01001111
P	01010000
Q	01010001
R	01010010
S	01010011
T	01010100
U	01010101
V	01010110
W	01010111
X	01011000
Y	01011001
Z	01011010

Numbers

0	00110000
1	00110001
2	00110010
3	00110011
4	00110100

5	00110101
6	00110110
7	00110111
8	00111000
9	00111001

Select Symbols

#	00100011
&	00100110
+	00101011
!	00100001
-	00101101

