

Binary Homework

UPDATED after class today! Do all of them!!

1) What symbols are used in a binary (base-2) system?

2) Name the placeholders in an 8-bit binary system:

3) Convert the 5-bit binary number '00101' to a decimal (base-10) integer. SHOW the expansion using your bases.

4) Represent the decimal (base-10) number '3' in binary with the following bit systems.

2 Bit: _____ 4 Bit: _____

3 Bit: _____ 5 Bit: _____

5) Using 8 bits (1 byte), represent the following numbers in binary: 0, 1, 255, and 196.