

Tuesday Reading Assessment: Chapter 2-1 through 2-7

Prof. Jordan C. Hanson

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1 Binary and Other Number Systems

1. What is the *weight* of the digit 6 in each of the following numbers?
 - 1386
 - 54,692
 - 671,920
2. Convert each number below to scientific notation:
 - 1400
 - 0.000071
 - 130,000,000
 - $1/3$
3. What is the largest number you could represent with three *decimal* digits?
4. What is the largest number you could represent with three *binary* digits?
5. Write the number 1010 in words, if (a) this is a decimal representation, and (b) if this is a binary representation.