

H.W. #1 CpE 100 Spring 2021

Show your work for credit (!) and put a box around each of your answers!

1. Show how to convert the following decimal numbers to 4-bit binary numbers: 0, 1, 13, 15 (2 points)
2. What is the largest number that can be represented with: 5-bits, 10-bits, 22-bits? What is the smallest number that can be represented with any of these word sizes? (2 points)
3. Convert the following decimal numbers into binary. As always, show your work: 7, 64, 132, 2546. (2 points)
4. Convert 2,001 and 9,121 to binary numbers. (2 points)