CTI 110

P1HW1 Questions

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| 128 | 64 | 32 | 16 | 8 | 4 | 2 | 1 |
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1. Write the binary versions of the numbers 0 through 7, in order (one per line)

0 = 00000000

1 = 00000001

2 = 00000010

3 = 00000011

4 = 00000100

5 = 00000101

6 = 00000110

7 = 00000111

2. Write the binary versions of the numbers 8 through 15, in order (one per line)

8 = 00001000

9 = 00001001

10 = 00001010

11 = 00001011

12 = 00001100

13 = 00001101

14 = 00001110

15 = 00001111

3. Convert the following decimal numbers to binary:

11 = 00001011

65 = 01000001

100 = 01100100

255 = 11111111

4. Convert the following binary numbers to decimal:

1101 = 13

1000 = 8

101011 = 43