

Tashea Symorelle
Digital Circuits

Aug. 12, 2020

2.a) Express each of the following decimal numbers as a power of ten

Ans: 1000 $\rightarrow 10^3$

6f) Convert the following binary numbers to decimal.

11111101

2^7 2^6 2^5 2^4 2^3 2^2 2^1 2^0

128 64 32 16 8 4 2 1

1 1 1 1 1 1 0 1

$128 + 64 + 32 + 16 + 8 + 4 + 1 = 253$

10a) Generate the binary sequence for each decimal sequence:

a) 0 through 7

Decimal	Binary
0	0000
1	0001
2	0010
3	0011
4	0100
5	0101
6	0110
7	0111