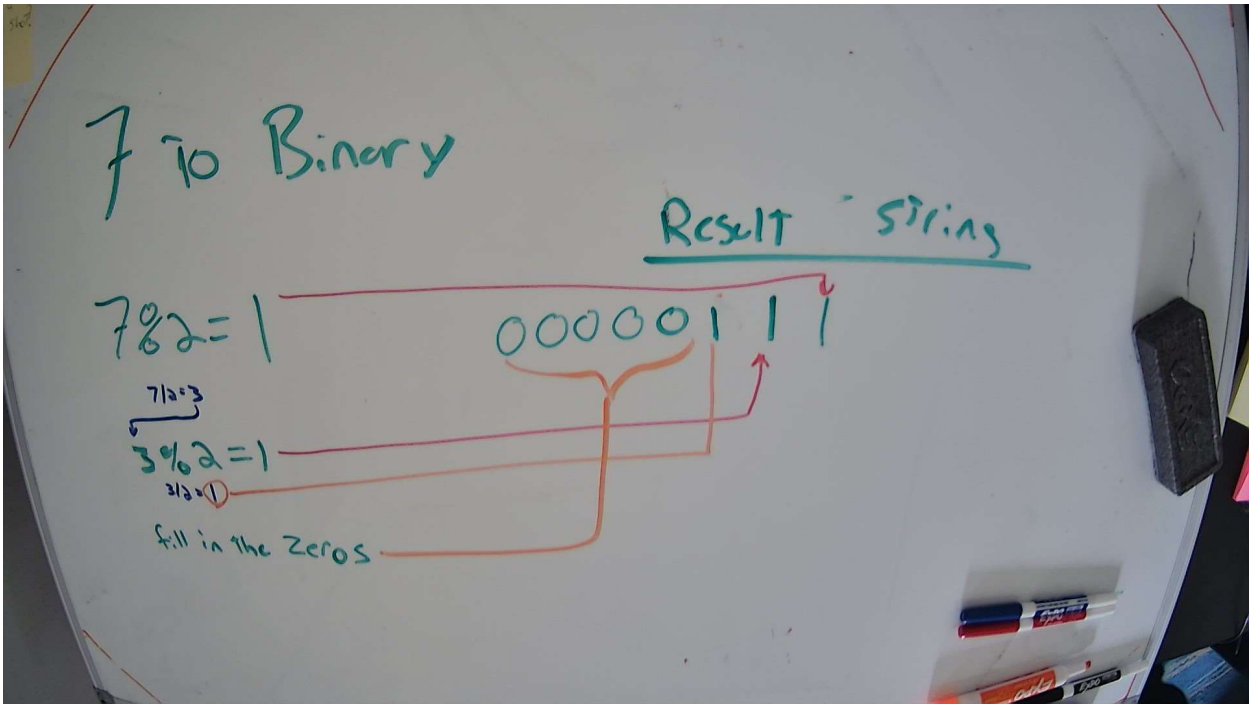
How to convert a decimal to binary

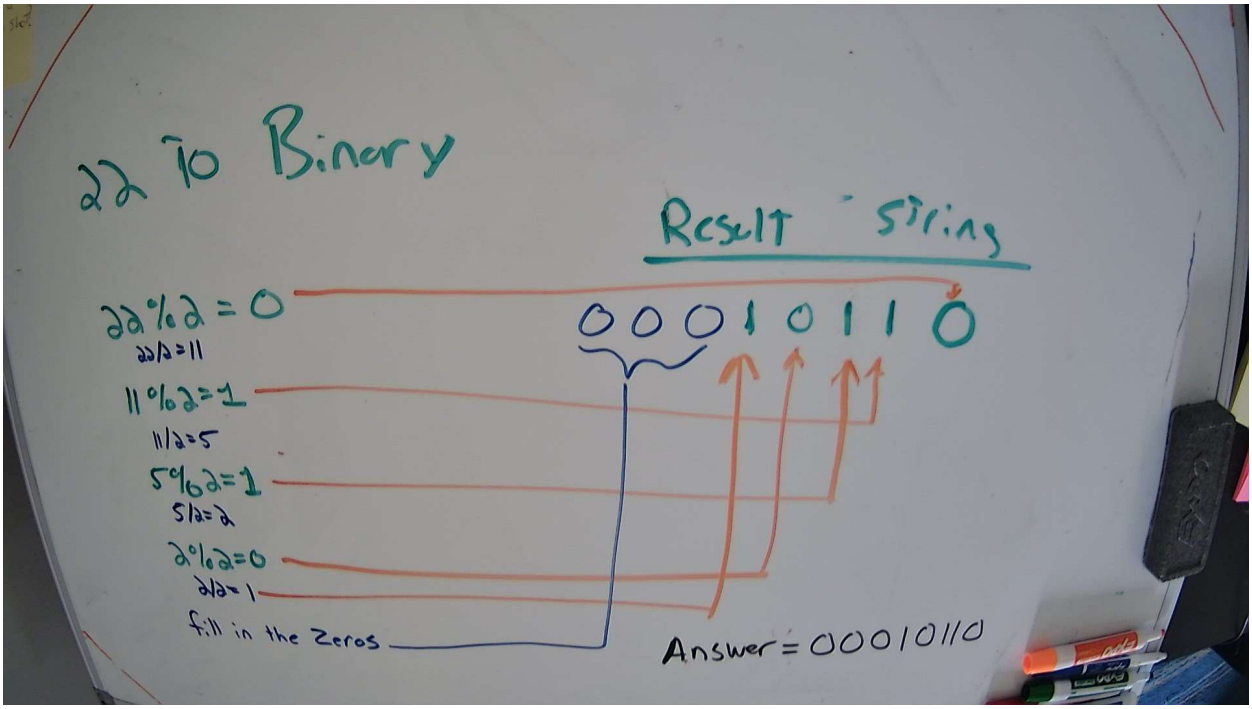
1. Divide the **number** by 2.
2. Get the integer quotient for the next iteration.
3. Get the remainder for the **binary** digit.
4. Repeat the steps until the quotient is equal to 0.

Below are 3 examples.

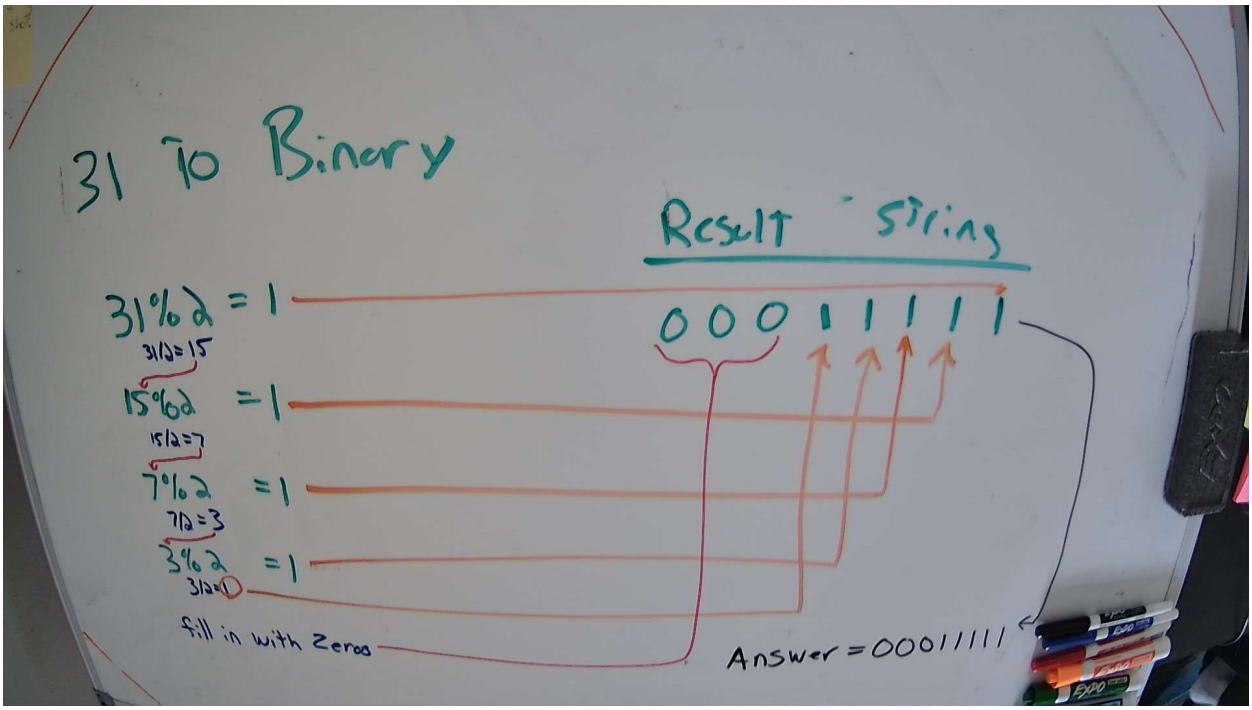
Example of 7 to binary:



Example 22 to Binary:



31 To binary:


31 To Binary
Result String
31%2 = 1
31/2=15
15%2 = 1
15/2=7
7%2 = 1
7/2=3
3%2 = 1
3/2=1
fill in with Zeros
0 0 0 1 1 1 1 1
Answer = 00011111