Convert 112 to Binary

Keep dividing (112)10  by 2

until the quotient is 0

112/2 = 56, remainder is 0  
56/2 = 28 “ “  
28/2 = 14 “ “  
14/2 = 7 “ “  
7/2 = 3, remainder is 1  
3/2 = 1, remainder is 1  
1/2 = 0, remainder is 1

Then you read from bottom up

1110000

So 112 is 1110000