



PN=Perfect Number=496=248+124+62+31+16+8+4+2+1  
 OC=ODD Complement=465  
 $M_p^2 = MPS = PN + OC = 496 + 465 = 961 = 31^2$   
 $M_p = \text{Mersenne PRIME} = 31$

$PN = (2^p - 1)(2^p - 1) = 16 \cdot 31$   
 $PN = [(M_p)(2^p)] / 2 = 31 \cdot 32 / 2$   
 $PN = (M_p)^2 - OC = 961 - 465$   
 $PN = M_p + OC = 31 + 465$   
 PN=496

Every Perfect Number has an EVEN AREA that combines with its Odd Complement AREA to equal the Square of its Mersenne Prime