



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

**$p=5$**   
 **$2^p=32$**   
 **$M_p=31=z$**   
 **$M_p^2=961$**   
 **$PD_x=256$**

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

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

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