



PN  
=Perfect Number  
=496

OC  
=ODD Complement  
=465

16=x

Mp=31=z

8

4

2

1

15=y=all center  
except last EVEN

OC-y  
= 465-15=450  
= 15·30  
= 2OCS  
where OCS=y<sup>2</sup>=225

PN  
=496

OC=  
465

x+y=z

31=z

\*PD<sub>x</sub>=256=PN crosses PD

p=5  
2<sup>p</sup>=32  
Mp=31=z  
Mp<sup>2</sup>=961  
PD<sub>x</sub>=256

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

PN=Perfect Number=496=248+124+62+31+16+8+4+2+1  
OC=ODD Complement=465  
Mp<sup>2</sup> =MPS=PN+OC = 496+465=961=31<sup>2</sup>  
Mp=Mersenne PRIME=31

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PN=(2<sup>p</sup>-1)(2<sup>p</sup>-1)=16·31  
PN=[(Mp)(2<sup>p</sup>)]/2=31·32/2  
PN=(Mp)<sup>2</sup>-OC=961-465  
PN=Mp+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