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

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | #3 | #4 | 3 | 15 | 24 | 35 | 48 | 63 | 80 | 99 |
| 2 | | | | 12 | 21 | 32 | 45 | 60 | 77 | 96 |
| 3 | | | | 7 | 16 | 27 | 40 | 55 | 72 | 91 |
| 4 | 15 | 12 | 7 | 16 | 9 | 20 | 33 | 48 | 65 | 84 |
| 5 | 24 | | | | | | | | | |
| 6 | 35 | | | | | | | | | |
| 7 | 48 | | | | | | | | | |
| 8 | 63 | | | | | | | | | |
| 9 | 80 | | | | | | | | | |
| 10 | 99 | | | | | | | | | |

PN = 6   +   OC = 3

$p = 2$
$2^p = 4$
$M_p = 3$
$M_p^2 = 9$

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
OC = ODD Complement
$M_p^2 = PN + OC = 6 + 3 = 9 = 3^2$
$M_p$ = Mersenne PRIME = 3

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

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | #3 | #4 | #5 | 15 | 24 | 35 | 48 | 63 | 80 | 99 |
| 2 | #3 | #4 | #5 | 12 | 21 | 32 | 45 | 60 | 77 | 96 |
| 3 | #3 | #4 | #5 | 7 | 16 | 27 | 40 | 55 | 72 | 91 |
| 4 | 15 | 12 | 7 | 16 | 9 | 20 | 33 | 48 | 65 | 84 |
| 5 | 24 | | | | | | | | | |
| 6 | 35 | | | | | | | | | |
| 7 | 48 | | | | | | | | | |
| 8 | 63 | | | | | | | | | |
| 9 | 80 | | | | | | | | | |
| 10 | 99 | | | | | | | | | |

PN =6  +  OC =3

p=2
$2^p=4$
$M_p=3$
$M_p^2=9$

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
OC=ODD Complement

$M_p^2 = PN+OC = 6+3=9=3^2$

$M_p$=Mersenne PRIME=3

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

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

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

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|----|
| 1 | | $2{=}x$ | 8 | 15 | 24 | 35 | 48 | 63 | 80 | 99 |
| 2 | 3 | | 3 | 12 | 21 | 32 | 45 | 60 | 77 | 96 |
| 3 | | $1{=}y$ #8 | 9 | 7 | 16 | 27 | 40 | 55 | 72 | 91 |
| 4 | 15 | 12 | 7 | 16 | 9 | 20 | 33 | 48 | 65 | 84 |
| 5 | 24 | | | | | | | | | |
| 6 | 35 | | | | | | | | | |
| 7 | 48 | | | | | | | | | |
| 8 | 63 | | | | | | | | | |
| 9 | 80 | | | | | | | | | |
| 10 | 99 | | | | | | | | | |

PN =6 + OC =3

p=2
$2^p{=}4$
$M_p{=}3{=}z$
$M_p{}^2{=}9$

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
OC=ODD Complement
$M_p{}^2$ =PN+OC = 6+3=9=$3^2$
$M_p$=Mersenne PRIME=3

$2{=}x$
$1{=}y$
$x{+}y{=}z$
$3{=}z$

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

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | 2 | 8 | 15 | 24 | 35 | 48 | 63 | 80 | 99 |
| 2 | 3 | | 3 | 12 | 21 | 32 | 45 | 60 | 77 | 96 |
| 3 | | 1=y #8 | 9 | 7 | 16 | 27 | 40 | 55 | 72 | 91 |
| 4 | 15 | | 7 | 16 | 9 | 20 | 33 | 48 | 65 | 84 |
| 5 | 24 | | | | | | | | | |
| 6 | 35 | | | | | | | | | |
| 7 | 48 | | | | | | | | | |
| 8 | 63 | | | | | | | | | |
| 9 | 80 | | | | | | | | | |
| 10 | 99 | | | | | | | | | |

PN =6  +  OC =3

$p=2$
$2^p=4$
$M_p=3=z$
$M_p^2=9$

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
OC=ODD Complement

1=y

$M_p^2 = PN+OC = 6+3=9=3^2$
$M_p$=Mersenne PRIME=3

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

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

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

A multiplication-table grid with highlighted cells (#11 labeled). Annotations include:

**#11**

Grid values shown: 0–10 header row; rows with products.

PN = 6

+ OC = 3

p = 2

$2^p = 4$

$M_p = 3 = z$

$M_p^2 = 9$

PN = Perfect Number
OC = ODD Complement
$M_p^2 = PN + OC = 6 + 3 = 9 = 3^2$
$M_p$ = Mersenne PRIME = 3

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

2 = x
1 = y
x + y = z
3 = z

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

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

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | **#13** PN²=6 | OC =3 | 15 | 24 | 35 | 48 | 63 | 80 | 99 | |
| 2 | 3 $2^0=1$ $1\times3=3$ | 3 | 12 | 21 | 32 | 45 | 60 | 77 | 96 | |
| 3 | $2^0=1$ $1\times3=3$ | 1 $2^0=1$ $1\times3=3$ | 7 | 16 | 27 | 40 | 55 | 72 | 91 | |
| 4 | 15 | 7 | 16 | 9 | 20 | 33 | 48 | 65 | 84 | |
| 5 | 24 | | | | | | | | | |
| 6 | 35 | | | | | | | | | |
| 7 | 48 | | | | | | | | | |
| 8 | 63 | | | | | | | | | |
| 9 | 80 | | | | | | | | | |
| 10 | 99 | | | | | | | | | |

PN =6  +  OC =3

$p=2$
$2^p=4$
$M_p=3=z$
$M_p^2=9$

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 =6
OC=ODD Complement=3

$M_p^2$ =PN+OC = 6+3=9=3²
$M_p$=Mersenne PRIME=3

2=*x*
1=*y*
*x+y=z*
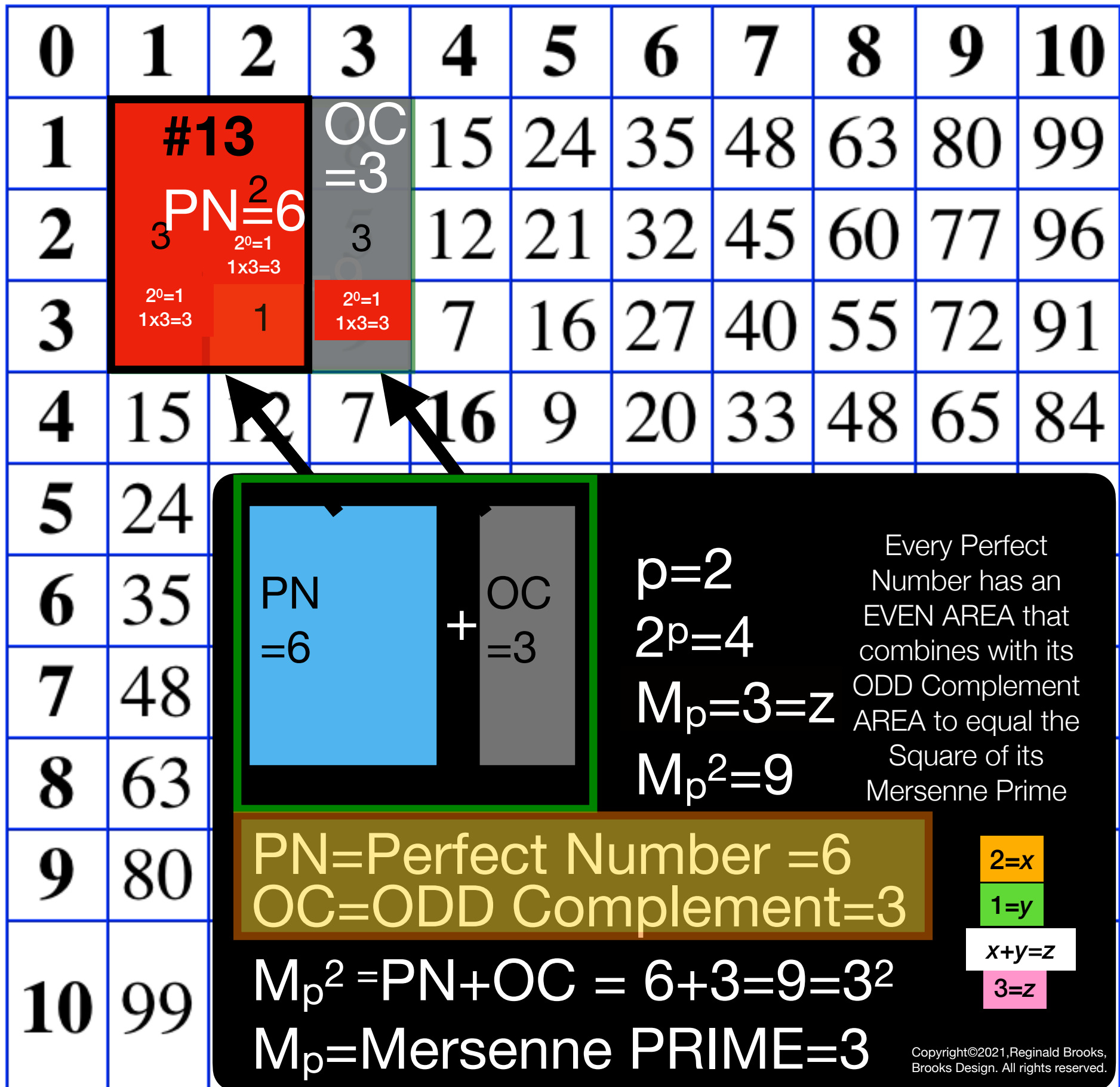3=*z*

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