

mobius

Exponents - Power Law - Prime Base with Variable Power to Exponent Base with



$$2^n = (2^4)^x$$

2

Solve for the missing exponent (x) in reduced form

$$3^n = (3^2)^x$$

Solve for the missing exponent (x) in 3 reduced form

$$2^n = (2^2)^x$$

4

Solve for the missing exponent (x) in reduced form

$$4^n = (4^3)^x$$

$$\begin{vmatrix} A & B & C & D & E & F \\ x = 5n x = \frac{6n}{2} x = \frac{4n}{3} x = \frac{2n}{2} x = 4n x = \frac{n}{2} x = \frac{n}{2} x = \frac{6}{2n} x = 2n x = \frac{n}{3} x = \frac{4n}{3} x = 9n x = 6n$$

Solve for the missing exponent (x) in 5 reduced form

$$4^n = (4^2)^x$$

6

Solve for the missing exponent (x) in reduced form

$$3^n = (3^3)^x$$

Solve for the missing exponent (x) in 7 reduced form

$$2^n = (2^5)^x$$

8

Solve for the missing exponent (x) in reduced form

$$3^n = (3^4)^x$$

Α	$x=\frac{10}{2n}$	В	x=5n	Α	$x=rac{6n}{4}$	В	$x=\frac{3n}{4}$	
С	x=15n	D	x= 10 n	С	$x=\frac{2n}{6}$	D	$x=rac{n}{4}$	
E	x=4n	F	$x=rac{n}{5}$	E	x=16n	F	x = 12n	