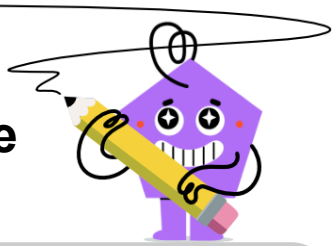
Name

Exponents - Power Law - Algebra (Base of Constant is Power, Solve X)



1 Solve for x

$$5^x = 25^6$$

A	B	C	D	E	F
$x = 21$	$x = 19$	$x = 17$	$x = 3$	$x = 18$	$x = 12$

2 Solve for x

$$7^x = 49^6$$

A	B	C	D	E	F
$x = 21$	$x = 12$	$x = 13$	$x = 15$	$x = 19$	$x = 3$

3 Solve for x

$$3^x = 9^{16}$$

A	B	C	D	E	F
$x = 8$	$x = 2$	$x = 17$	$x = 20$	$x = 32$	$x = 35$

4 Solve for x

$$11^x = 121^{23}$$

A	B	C	D	E	F
$x = 50$	$x = 58$	$x = 18$	$x = 46$	$x = 42$	$x = 38$

5 Solve for x

$$5^x = 25^{17}$$

A	B	C	D	E	F
$x = 34$	$x = 49$	$x = 7$	$x = 13$	$x = 10$	$x = 55$

6 Solve for x

$$7^x = 49^{20}$$

A	B	C	D	E	F
$x = 8$	$x = 32$	$x = 56$	$x = 4$	$x = 76$	$x = 40$

7 Solve for x

$$7^x = 49^{21}$$

A	B	C	D	E	F
$x = 18$	$x = 10$	$x = 78$	$x = 66$	$x = 42$	$x = 14$

8 Solve for x

$$11^x = 121^{12}$$

A	B	C	D	E	F
$x = 34$	$x = 4$	$x = 24$	$x = 20$	$x = 32$	$x = 42$