Name

Exponents - Power Law - Ten Base with Variable Power to Unknown Exponent Base with Known Power

1 Solve for the missing exponent (?)

$$10^4 = (10^?)^2$$

A	B	C	D	E	F
$? = 2$	$? = 6$	$? = 3$	$? = 9$	$? = 5$	$? = 7$

2 Solve for the missing exponent (?)

$$10^6 = (10^?)^3$$

A	B	C	D	E	F
$? = 11$	$? = 6$	$? = 8$	$? = 5$	$? = 1$	$? = 2$

3 Solve for the missing exponent (?)

$$10^8 = (10^?)^2$$

A	B	C	D	E	F
$? = 4$	$? = 11$	$? = 10$	$? = 13$	$? = 2$	$? = 3$

4 Solve for the missing exponent (?)

$$10^{12} = (10^?)^3$$

A	B	C	D	E	F
$? = 6$	$? = 2$	$? = 4$	$? = 10$	$? = 3$	$? = 7$

5 Solve for the missing exponent (?)

$$10^6 = (10^?)^2$$

A	B	C	D	E	F
$? = 6$	$? = 3$	$? = 11$	$? = 4$	$? = 5$	$? = 1$

6 Solve for the missing exponent (?)

$$10^9 = (10^?)^3$$

A	B	C	D	E	F
$? = 3$	$? = 5$	$? = 4$	$? = 1$	$? = 2$	$? = 6$