



Exponents - Power Law - Ten Base with Variable Power to Power of Ten Base with

Unknown Power

1 Solve for the missing exponent (?)

$$10^9 = 1000^?$$

A	B	C	D	E	F
? = 9	? = 3	? = 4	? = 1	? = 8	? = 11

2 Solve for the missing exponent (?)

$$10^6 = 100^?$$

A	B	C	D	E	F
? = 5	? = 10	? = 3	? = 6	? = 12	? = 11

3 Solve for the missing exponent (?)

$$10^4 = 100^?$$

A	B	C	D	E	F
? = 3	? = 4	? = 7	? = 1	? = 6	? = 2

4 Solve for the missing exponent (?)

$$10^8 = 10000^?$$

A	B	C	D	E	F
? = 5	? = 3	? = 2	? = 11	? = 8	? = 1

5 Solve for the missing exponent (?)

$$10^{12} = 10000^?$$

A	B	C	D	E	F
? = 1	? = 7	? = 4	? = 3	? = 5	? = 10

6 Solve for the missing exponent (?)

$$10^6 = 1000^?$$

A	B	C	D	E	F
? = 10	? = 2	? = 6	? = 3	? = 5	? = 11