



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

Unknown Power

1 Solve for the missing exponent (?)

$$(10^2)^3 = 10^?$$

A	B	C	D	E	F
? = 2	? = 1	? = 6	? = 12	? = 10	? = 11

2 Solve for the missing exponent (?)

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

A	B	C	D	E	F
? = 1	? = 6	? = 2	? = 4	? = 8	? = 12

3 Solve for the missing exponent (?)

$$(10^3)^2 = 10^?$$

A	B	C	D	E	F
? = 13	? = 11	? = 6	? = 10	? = 12	? = 2

4 Solve for the missing exponent (?)

$$(10^4)^3 = 10^?$$

A	B	C	D	E	F
? = 4	? = 19	? = 7	? = 13	? = 12	? = 8

5 Solve for the missing exponent (?)

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

A	B	C	D	E	F
? = 6	? = 9	? = 15	? = 13	? = 8	? = 5

6 Solve for the missing exponent (?)

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

A	B	C	D	E	F
? = 9	? = 7	? = 3	? = 18	? = 1	? = 6