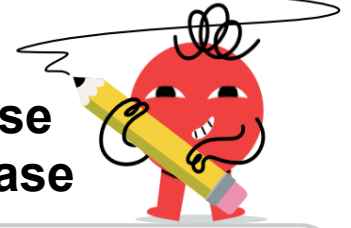




Exponents - Power Law - Exponent Base with Variable Power to Power of Ten Base



with Unknown Power

1 Solve for the missing exponent (?)

$$(10^2)^6 = 1000^?$$

A	B	C	D	E	F
? = 13	? = 4	? = 6	? = 3	? = 1	? = 12

2 Solve for the missing exponent (?)

$$(10^3)^6 = 100^?$$

A	B	C	D	E	F
? = 9	? = 4	? = 8	? = 16	? = 14	? = 3

3 Solve for the missing exponent (?)

$$(10^3)^8 = 10000^?$$

A	B	C	D	E	F
? = 3	? = 1	? = 6	? = 15	? = 9	? = 10

4 Solve for the missing exponent (?)

$$(10^4)^9 = 1000^?$$

A	B	C	D	E	F
? = 18	? = 12	? = 16	? = 2	? = 9	? = 15

5 Solve for the missing exponent (?)

$$(10^4)^4 = 100^?$$

A	B	C	D	E	F
? = 13	? = 3	? = 8	? = 9	? = 12	? = 14

6 Solve for the missing exponent (?)

$$(10^2)^{12} = 10000^?$$

A	B	C	D	E	F
? = 2	? = 14	? = 6	? = 11	? = 3	? = 9

7 Solve for the missing exponent (?)

$$(10^3)^{12} = 10000^?$$

A	B	C	D	E	F
? = 9	? = 7	? = 4	? = 3	? = 17	? = 10

8 Solve for the missing exponent (?)

$$(10^4)^6 = 100^?$$

A	B	C	D	E	F
? = 15	? = 2	? = 6	? = 7	? = 5	? = 12