



Math worksheet on 'Exponents - Power Law - Variable Exponent Base with Known Power to Ten Base with Unknown Power (Level 1)'. Part of a broader unit on 'Exponents - Power Law - Practice'

Learn online: app.mobius.academy/math/units/exponents_power_law_practice/

1 Solve for the missing exponent (?)

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

a	b	c	d	e	f
? = 2	? = 6	? = 13	? = 17	? = 9	? = 11

2 Solve for the missing exponent (?)

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

a	b	c	d	e	f
? = 3	? = 9	? = 2	? = 15	? = 5	? = 8

3 Solve for the missing exponent (?)

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

a	b	c	d	e	f
? = 2	? = 8	? = 4	? = 3	? = 5	? = 6

4 Solve for the missing exponent (?)

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

a	b	c	d	e	f
? = 4	? = 1	? = 11	? = 6	? = 3	? = 10

5 Solve for the missing exponent (?)

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

a	b	c	d	e	f
? = 2	? = 6	? = 10	? = 8	? = 11	? = 9

6 Solve for the missing exponent (?)

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

a	b	c	d	e	f
? = 3	? = 12	? = 10	? = 7	? = 19	? = 17