



Math worksheet on 'Exponents - Power Law - Power of Ten Base with Variable Power to Power of 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 (?)

$$1000^4 = 100^?$$

a	b	c	d	e	f
? = 4	? = 15	? = 5	? = 1	? = 3	? = 6

2 Solve for the missing exponent (?)

$$1000^8 = 10000^?$$

a	b	c	d	e	f
? = 14	? = 11	? = 6	? = 5	? = 8	? = 9

3 Solve for the missing exponent (?)

$$10000^4 = 100^?$$

a	b	c	d	e	f
? = 4	? = 10	? = 5	? = 3	? = 8	? = 15

4 Solve for the missing exponent (?)

$$100^{12} = 10000^?$$

a	b	c	d	e	f
? = 14	? = 13	? = 4	? = 1	? = 3	? = 6

5 Solve for the missing exponent (?)

$$1000^6 = 100^?$$

a	b	c	d	e	f
? = 11	? = 13	? = 1	? = 18	? = 5	? = 9

6 Solve for the missing exponent (?)

$$100^9 = 1000^?$$

a	b	c	d	e	f
? = 1	? = 5	? = 11	? = 10	? = 3	? = 6

7 Solve for the missing exponent (?)

$$100^8 = 10000^?$$

a	b	c	d	e	f
? = 1	? = 4	? = 2	? = 11	? = 5	? = 8