



Math worksheet on 'Exponents - Power Law (Level 1)'. Part of a broader unit on 'Exponents - Negative, Fractional, and Power Law'

Learn online:

app.mobius.academy/math/units/exponents_negatives_fractions_and_power_law/

2 Find the answer when these terms are multiplied

$$14^{-1} \cdot 14^{-1} \cdot 14^{-1} \cdot 14^{-1}$$

a	$\frac{1}{14^{400}}$	b	1	c	$\frac{1}{14^4}$	d	$\frac{1}{14^3}$
---	----------------------	---	---	---	------------------	---	------------------

4 Find the answer when these terms are multiplied

$$4^{-2} \cdot 4^{-2}$$

a	$\frac{1}{4^{40}}$	b	$\frac{1}{4^4}$	c	$\frac{1}{4^3}$
d	1				

6 Find the answer when these terms are multiplied

$$33^{-2} \cdot 33^{-2}$$

a	33^0	b	1	c	$\frac{1}{33^{40}}$	d	$\frac{1}{33^4}$
---	--------	---	---	---	---------------------	---	------------------

1 Find the answer when these terms are multiplied

$$14^{-2} \cdot 14^{-2} \cdot 14^{-2} \cdot 14^{-2}$$

a	$\frac{1}{14^7}$	b	$\frac{1}{14^8}$	c	$\frac{1}{14^{800}}$	d	14^2	e	14^0
---	------------------	---	------------------	---	----------------------	---	--------	---	--------

3 Find the answer when these terms are multiplied

$$6^{-2} \cdot 6^{-2} \cdot 6^{-2}$$

a	6^0	b	6	c	$\frac{1}{6^6}$	d	$\frac{1}{6^5}$
---	-------	---	---	---	-----------------	---	-----------------

5 Find the answer when these terms are multiplied

$$35^{-3} \cdot 35^{-3} \cdot 35^{-3} \cdot 35^{-3}$$

a	$\frac{1}{35^{12}}$	b	$\frac{1}{35^{120}}$	c	$\frac{1}{35^{1,200}}$	d	$\frac{1}{35^{11}}$	e	35
---	---------------------	---	----------------------	---	------------------------	---	---------------------	---	----

7 Find the answer when these terms are multiplied

$$22^{-2} \cdot 22^{-2} \cdot 22^{-2} \cdot 22^{-2}$$

a	22^2	b	1	c	$\frac{1}{22^8}$	d	$\frac{1}{22^{800}}$
---	--------	---	---	---	------------------	---	----------------------