mobius

Math worksheet on *'Exponents - Power Law with Composite Base (Negatives, Exponent with Power to Exponent) (Level 1)'*. Part of a broader unit on *'Exponents - Multiplication and Division - Advanced'*
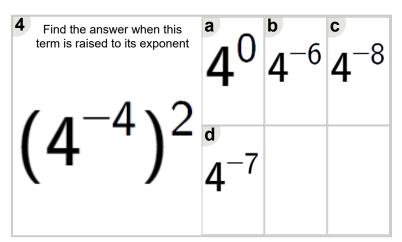
Learn online:

app.mobius.academy/math/units/exponents_multiplication_and_division_advanced/

1 Find the answer when this term is raised to its exponent

$$(77^{-5})^6$$

a	b	c
77^{-300}	77	77^{-30}
d	e	
77^{-24}	77^{-27}	

2 Find the answer when this term is raised to its exponent

$$(33^{-6})^2$$

a	b	c
33^{-9}	33^{-14}	33^{-12}
d	e	
33^{-10}	33^{-4}	

3 Find the answer when this term is raised to its exponent

$$(10^{-6})^2$$

a	b	c
10^{-4}	10^{-12}	10^{-11}
d		
10^{-13}		

4 Find the answer when this term is raised to its exponent

$$(4^{-4})^2$$

a	b	c
4^0	4^{-6}	4^{-8}
d		
4^{-7}		

5 Find the answer when this term is raised to its exponent

$$(14^{-1})^6$$

a	b	c
14^{-5}	14^{-600}	14^0
d		
14^{-6}		

6 Find the answer when this term is raised to its exponent

$$(14^{-2})^3$$

a	b	c
14^{-600}	14^{-6}	14^0
d		
14		

7 Find the answer when this term is raised to its exponent

$$(10^{-3})^6$$

a	b	c
10^3	10^{-18}	10^{-180}
d		
$10^{-1,800}$		