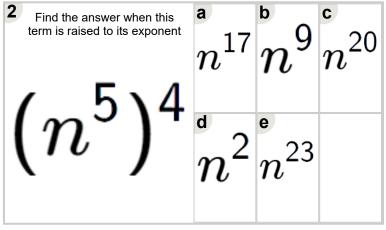# mobius

Math worksheet on *'Exponents - Power Law with Variable Base (Positives, Exponent with Power to Exponent) (Level 1)'*. Part of a broader unit on *'Exponents - Negative, Fractional, and Power Law'*
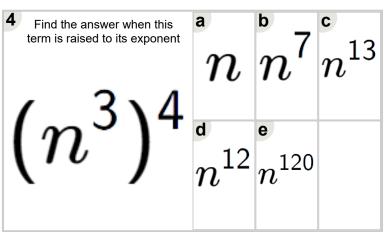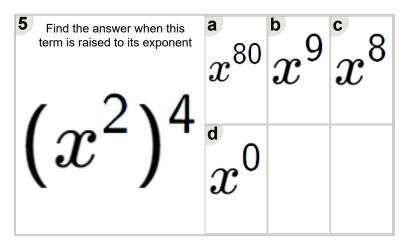
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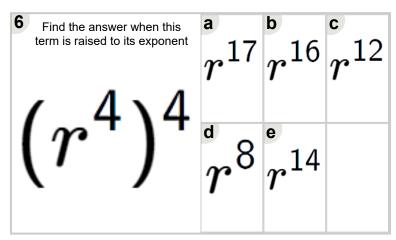app.mobius.academy/math/units/exponents_negatives_fractions_and_power_law/

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

$$(r^4)^3$$

a	b	c
r^{12}	r^{11}	r^{14}
d	e	
$r^{1,200}$	r^7	

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

$$(n^5)^4$$

a	b	c
n^{17}	n^9	n^{20}
d	e	
n^2	n^{23}	

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

$$(z^4)^3$$

a	b	c
z^{120}	z^{14}	z^7
d	e	
z^{11}	z^{12}	

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

$$(n^3)^4$$

a	b	c
n	n^7	n^{13}
d	e	
n^{12}	n^{120}	

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

$$(x^2)^4$$

a	b	c
x^{80}	x^9	x^8
d		
x^0		

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

$$(r^4)^4$$

a	b	c
r^{17}	r^{16}	r^{12}
d	e	
r^8	r^{14}	

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

$$(n^2)^3$$

a	b	c
n^6	n^5	n^{600}