



Math worksheet on 'Exponents - Power Law with Prime Base (Positives, Exponent with Power to Exponent) (Level 1)'. Part of a broader unit on 'Exponents - Power Law - Intro'

Learn online: [app.mobius.academy/math/units/exponents\\_power\\_law\\_intro/](http://app.mobius.academy/math/units/exponents_power_law_intro/)

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

<b>a</b>	<b>b</b>	<b>c</b>
$3^{10}$	$3^7$	$3^{100}$
$(3^5)^2$		

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

<b>a</b>	<b>b</b>	<b>c</b>
$11^{800}$	$11^7$	$11^8$
$(11^4)^2$		
<b>d</b>	<b>e</b>	
$11^9$	$11^6$	

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

<b>a</b>	<b>b</b>	<b>c</b>
$11^7$	$11^{10}$	$11^{12}$
$(11^3)^4$		
<b>d</b>	<b>e</b>	
$11^{11}$	$11$	

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

<b>a</b>	<b>b</b>	<b>c</b>
$5^0$	$5^5$	$5^6$
$(5^3)^2$		

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

<b>a</b>	<b>b</b>	<b>c</b>
$3^{12}$	$3^{17}$	$3^{1,500}$
$(3^5)^3$		
<b>d</b>		
$3^{15}$		

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

<b>a</b>	<b>b</b>	<b>c</b>
$7$	$7^{17}$	$7^8$
$(7^5)^3$		
<b>d</b>	<b>e</b>	
$7^{15}$	$7^{12}$	

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

<b>a</b>	<b>b</b>	<b>c</b>
$5^{800}$	$5^7$	$5^0$
$(5^4)^2$		
<b>d</b>		
$5^8$		