



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

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

a	b	c
3^{-24}	3^{-20}	3^2
$(3^{-4})^6$		
	3^0	

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

a	b	c
5^{-180}	5^{-21}	5^3
$(5^{-3})^6$		
	5^{-15}	5^{-18}

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

a	b	c
2^{-3}	2^{-36}	2^{-29}
$(2^{-6})^6$		
	2^0	2^{-34}

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

a	b	c
2^{-8}	2^{-1}	2^0
$(2^{-2})^5$		
	$2^{-1,000}$	2^{-10}

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

a	b	c
3^{-5}	3^{-4}	3^0
$(3^{-1})^5$		

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

a	b	c
7^{-14}	7^{-15}	7^{-17}
$(7^{-5})^3$		
	7^{-16}	

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

a	b	c
2^{-1}	2^{-13}	2^{-11}
$(2^{-6})^2$		
	2^{-12}	2^{-9}