

Properties of Exponents and Scientific Notation

Cut the squares apart.
Match equivalent expressions.
You should get a new 4 x 4 square.

	$2xy$			$x = 11$			$x=17$			6^5	
x^0		5^2	25		$(5x^2)^2$	$4^5 2$		$(2^2)^3$	2^6		x^{14}
	$\frac{x^4}{x^2}$			$(x^2 z^3)^4$			$.0023$			1.2×10^3	
	x^2			$x^8 z^{12}$			2.3×10^{-3}			1200	
abc		$\frac{m^3}{m}$	m^2		$(2x^4)^2$	8^4		$(-3z^2)^2$	$4^7 6$		x^{-6}
	1.3×10^{-2}			45000			$(a^2 b)^2$			$(-3m)^3$	
	$.013$			4.5×10^4			$a^4 b^2$			$-27m^3$	
$z = x$		$(7x)^0$	1		$.0002$	$4^{-1} x^2$		$(xz)^4$	$4^7 x$		$x = 12$
	$(2x^2)(3x^4)$			$\frac{10^5}{10}$			$(2x^3)^2$			$\frac{a^{14}}{a^7}$	
	$6x^6$			10^4			$4x^6$			a^7	
$5 =$		1.2×10^5	120000		11^2	121		$\left(\frac{5}{m}\right)^2$	$\frac{25}{m^2}$		4
	8			z^7			x^{-5}			$\frac{1}{2}y$	