

Unit 6 Vocabulary - Exponents & Exponential

English / Espanol - with a tiny example for each term.

ENGLISH	ESPANOL	EXAMPLE / EJEMPLO
exponent	exponente	$x^3 = x * x * x$
base	base	The x in x^3
power of a power	potencia de una potencia	$(x^3)^2 = x^6$ - multiply
zero exponent	exponente cero	$x^0 = 1$
negative exponent	exponente negativo	$x^{-2} = 1/x^2$ - flip it
exponential function	funcion exponencial	$y = a * b^x$
initial value	valor inicial	a - the amount at $x = 0$
growth factor	factor de crecimiento	$b > 1$ grows; $b = 1 + r$
decay factor	factor de decaimiento	$0 < b < 1$ shrinks; $b = 1 - r$
percent	por ciento	Per 100: $35\% = 0.35$
percent increase	aumento porcentual	$x(1 + r)$: +20% is $x1.20$
percent decrease	disminucion porcentual	$x(1 - r)$: -20% is $x0.80$
multiplier	multiplicador	One number that does the change
geometric sequence	sucesion geometrica	Multiply by r: 3, 6, 12
common ratio	razon comun	$r = \text{term} / \text{previous term}$