



A diagram showing the expression x^4 . A green arrow labeled "base" points to the x , and a purple arrow labeled "exponent" points to the 4.



A diagram showing the expression $x \cdot x \cdot x \cdot x$. A green arrow labeled "base" points to the first x . Below each x is a purple number: 1, 2, 3, and 4, representing the count of each factor.



A diagram showing the expression a^7 . A green arrow labeled "base" points to the a , and a purple arrow labeled "exponent" points to the 7.



A diagram showing the expression $a \cdot a \cdot a \cdot a \cdot a \cdot a \cdot a$. A green arrow labeled "base" points to the first a . Below each a is a purple number: 1, 2, 3, 4, 5, 6, and 7, representing the count of each factor.

$$2^3$$

$$(x + 3)^2$$

$$(x - 2)^4$$

$$(3x^2y^5)^3$$

base x^4 exponent

base $x \cdot x \cdot x \cdot x$

1 2 3 4