

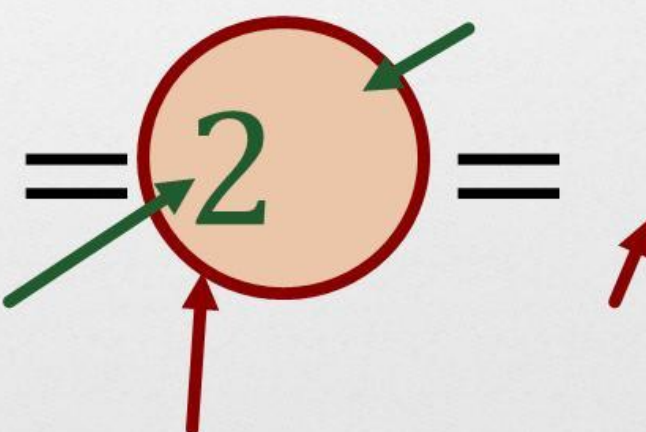
Степень числа с натуральным показателем

$$\bullet + \bullet + \bullet = \cdot \bullet$$

ОДИНАКОВЫХ

$$\bullet \cdot \bullet \cdot \bullet = \bullet$$

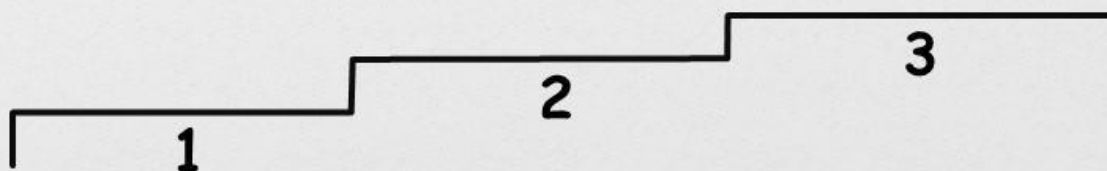
ОДИНАКОВЫХ

$$2 \cdot 2 \cdot 2 = 2^{\quad} =$$
A diagram illustrating the components of a power expression. The expression is $2 \cdot 2 \cdot 2 = 2^{\quad} =$. The base '2' is highlighted with a large orange circle. A green arrow points from the first '2' to the base '2'. Another green arrow points from the exponent position to the base '2'. A red arrow points from the first '2' to the base '2'. A red arrow points from the second '2' to the base '2'. A red arrow points from the third '2' to the base '2'. A red arrow points from the first '=' to the base '2'. A red arrow points from the second '=' to the right.

Степень числа с натуральным показателем

$$\underbrace{a \cdot a \cdot \dots \cdot a}_n = a^n$$

числа a с натуральным показателем n , называют степенью числа a с показателем n , каждый из которых равен a .



Некоторые значения степеней 2 и 3

n	2^n	Значение степени
1	2	
2	2	
3	2	
4	2	
5	2	
6	2	
7	2	
8	2	
9	2	
10	2	

n	3^n	Значение степени
1	3	
2	3	
3	3	
4	3	
5	3	

$$a^1 =$$