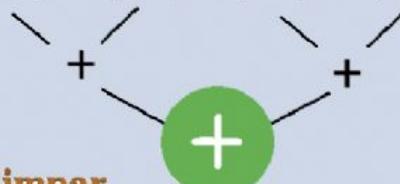


Potências de números racionais

Base positiva

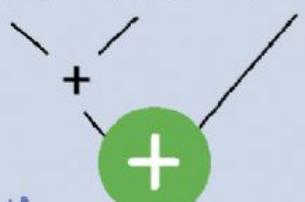
Expoente par

$$(+3)^4 = (+3) \times (+3) \times (+3) \times (+3) = +81$$



Expoente ímpar

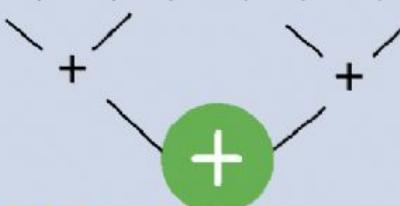
$$(+3)^3 = (+3) \times (+3) \times (+3) = +27$$



Base negativa

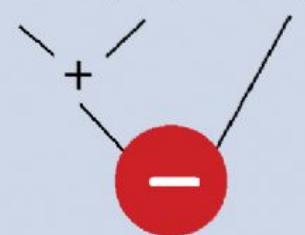
Expoente par

$$(-3)^4 = (-3) \times (-3) \times (-3) \times (-3) = +81$$



Expoente ímpar

$$(-3)^3 = (-3) \times (-3) \times (-3) = -27$$



Sem efectuares qualquer cálculo, indica o sinal dos números representados pelas potências seguintes:

a. $(-7)^{22}$

f. $(-1)^{22}$

b. 5^{11}

g. -1^{12}

c. $(-8)^{15}$

h. $\left(\frac{3}{5}\right)^{11}$