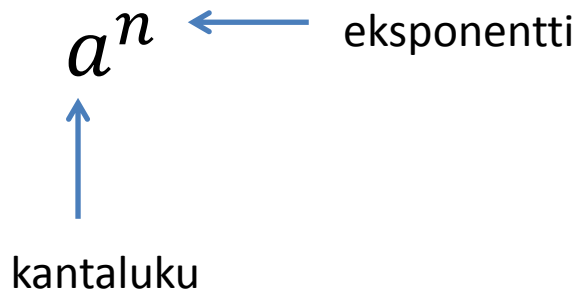


Potenssi



- $7^4 = \underbrace{7 \cdot 7 \cdot 7 \cdot 7}_{4 \text{ kpl}}$

- $a^1 = a$

Laskusääntöjä

- $a^m \cdot a^n = a^{m+n}$

- $\frac{a^m}{a^n} = a^{m-n}$

- $(a^m)^n = a^{mn}$

- $(ab)^n = a^n b^n$

- $\left(\frac{a}{b}\right)^n = \frac{a^n}{b^n}$

$$b^7 \cdot b^2 = b^9$$

$$\frac{7^4}{7^2} = 7^{4-2} = 7^2$$

ja $\frac{7 \cdot 7 \cdot 7 \cdot 7}{7 \cdot 7} = 7 \cdot 7 = 7^2$

$$(c^3)^2 = \underbrace{c \cdot c \cdot c}_{c^3} \cdot \underbrace{c \cdot c \cdot c}_{c^3} = c^6$$

$$(2 \cdot 3)^2 = 2^2 \cdot 3^2 = 36$$

ja $6^2 = 36$

$$\left(\frac{1}{2}\right)^2 = \frac{1^2}{2^2} = \frac{1}{4} \text{ ja } \left(\frac{1}{2}\right)^2 = \frac{1}{2} \cdot \frac{1}{2} = \frac{1}{4}$$