

POTENZA DI POTENZA

stessa base e prodotto degli esponenti

$$(2^3)^2 = 2^{3 \times 2} = 2^6 = 64$$

$$[(3^2)^4]^0 = 3^{2 \times 4 \times 0} = 3^0 = 1$$

$$\{[(8^3)^5]^2\}^6 = 8^{3 \times 5 \times 2 \times 6} = 8^{180}$$

$$\left\{ \left[\left(5^2 \right)^4 \right]^3 \right\}^5 = 5^{2 \times 4 \times 3 \times 5} = 5^{120}$$

$$3^{15} \left\{ \begin{array}{l} 3^2 \times 3^5 \times 3^8 \\ 3^{40} : 3 : 3^{24} \\ (3^3)^5 \end{array} \right.$$

$$2^{20} = \begin{cases} 2^5 \times 2^{10} \times 2^5 \\ 2^{30} : 2^5 : 2^5 \\ (2^4)^5 = \left[(2^2)^5 \right]^2 \end{cases}$$

$$7^{18} = \begin{cases} 7^8 \times 7^7 \times 7^3 \\ 7^{30} : 7^{10} : 7^2 \\ \left[(7^3)^2 \right]^3 \end{cases}$$