

EXPONENTS PRACTICE

Simplify:

- $3 \cdot 4^3$
- $4x^3 \cdot 2x^3$
- $x^5 \cdot x^3$
- $2x^3 \cdot 2x^2$
- $\frac{6^5}{6^3}$
- $\frac{x^4}{x^7}$
- 8^0
- $-(9x)^0$
- $(y^4)^3$
- $(x^2y)^4$
- $\frac{6x^7}{2x^4}$
- $\frac{8x^5}{4x^2}$
- $(2cd^4)^2(cd)^5$
- $(2fg^4)^4(fg)^6$
- $\frac{x^5y^6}{xy^2}$
- $\frac{x^2y^5}{xy^4}$
- $\left(\frac{4x^5y}{16xy^4}\right)^3$
- $\left(\frac{5x^3y}{20xy^5}\right)^4$
- y^{-7}
- 7^{-2}
- $\frac{1}{x^{-5}}$
- $\frac{1}{2^{-4}}$
- $x^5 \cdot x^{-1}$
- x^{-6}
- $x^9 \cdot x^{-7}$
- $(j^{-13})(j^4)(j^6)$
- $\frac{x^{-1}}{x^{-8}}$
- $\frac{52x^6}{13x^{-7}}$
- $f^{-3}(f^2)(f^{-3})$
- $\frac{x^{-4}}{x^{-9}}$
- $\frac{24x^6}{12x^{-8}}$
- $\frac{3x^2y^{-3}}{12x^6y^3}$
- $(2x^3y^{-3})^{-2}$
- $\frac{2x^4y^{-4}}{8x^7y^3}$
- $(4x^4y^{-4})^3$
- $5x^2y(2x^4y^{-3})$
- $\left(\frac{-7a^2b^3c^0}{3a^3b^4c^3}\right)^{-4}$
- $\left(\frac{-2a^3b^2c^0}{3a^2b^3c^7}\right)^{-2}$