

# RIASSUNTO REGOLE POTENZE

REGOLA	Numeri interi	Frazioni
Stessa Base	$4^5 \times 4^3 = 4^8$	$\left(\frac{4}{5}\right)^5 \times \left(\frac{4}{5}\right)^3 = \left(\frac{4}{5}\right)^8$
	$3^7 \div 3^4 = 3^3$	$\left(\frac{2}{7}\right)^6 \div \left(\frac{2}{7}\right)^2 = \left(\frac{2}{7}\right)^4$
Stesso esponente	$5^{11} \times 2^{11} = 10^{11}$	$\left(\frac{4}{7}\right)^3 \times \left(\frac{21}{8}\right)^3 = \left(\frac{4}{7} \times \frac{21}{8}\right)^3 = \left(\frac{3}{2}\right)^3 = \frac{27}{8}$
	$121^2 \div 11^2 = 11^2$	$\left(\frac{8}{5}\right)^2 \div \left(\frac{4}{5}\right)^2 = \left(\frac{8}{5} \times \frac{5}{4}\right)^2 = 2^2 = 4$
Potenza di potenza	$(2^3)^4 = 2^{12}$	$\left[\left(\frac{11}{7}\right)^5\right]^3 = \left(\frac{11}{7}\right)^{15}$
Nessuna regola da applicare	$2^9 \times 5^3 = ?$	$\left(\frac{1}{3}\right)^4 \times \left(\frac{6}{5}\right)^2 = ?$
Nessuna regola da applicare	$12^5 \div 3^4 = ?$	$\left(\frac{9}{7}\right)^3 \div \left(\frac{3}{7}\right)^2 = ?$