

# Multiplying and Dividing Indices

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Question	Answer
$3^2 \times 3^5$	$3^7$
$8^{-1} \times 8^6$	$8^5$
$11^4 \times 11^{-4}$	$11^0 = 1$
$7^{12} \div 7^3$	$7^9$
$15^{-10} \div 15^6$	$15^{-16}$
$4^{-2} \div 4^{-8}$	$4^6$
$\frac{13^{20}}{13^{18}}$	$13^2$
$\frac{2^9 \times 2^5}{2^3 \times 2}$	$\frac{2^{14}}{2^4} = 2^{10}$
$a^7 \times a^{12}$	$a^{19}$
$(4k^{-6})^3$	$64k^{-18}$
$3e^2f^7 \times 5e^6f^{-11}$	$15e^8f^{-4}$