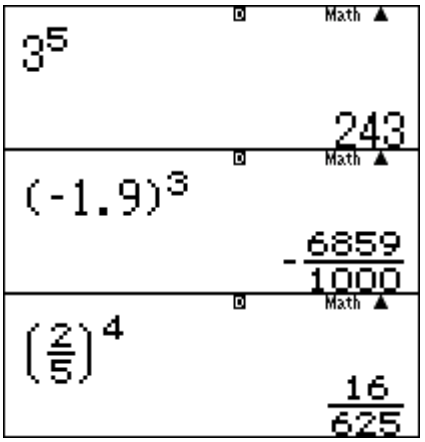
Module 4: Expressions and equations

Part A – Exponents, order of operations and factoring

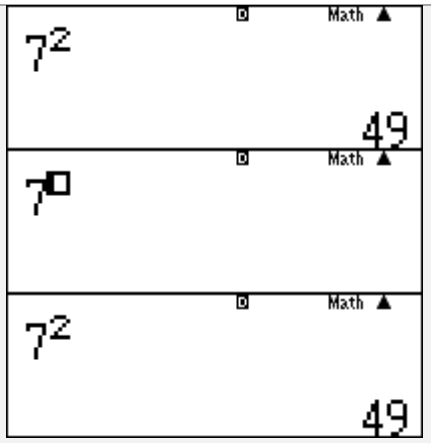
To evaluate an exponent use the exponent button $x^{\square}$. Enter the base then press $x^{\square}$ and then enter the power.

3 $x^{\square}$ 5 =
((−) 1 • 9) $x^{\square}$ 3 =
(▤ 2 ▼ 5 ▶) $x^{\square}$ 4 =



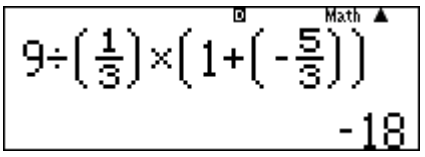
The most often used exponent is the power of 2 or square, there is a dedicated button for squares x^2. Keep in mind the exponent button $x^{\square}$ works the same way.

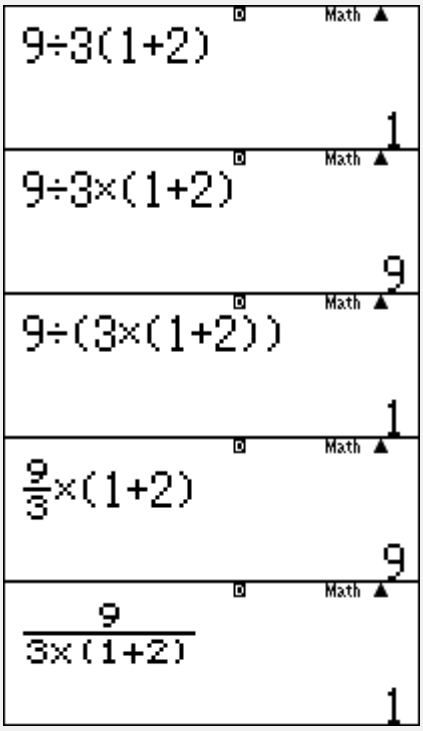
7 x^2 =
7 $x^{\square}$ 2 =



The calculator will follow the order of operations. Enter the expression and press =.

9 ÷ (▤ 1 ▼ 3 ▶) ×
(1 + ((−) 5 ▤ 3 ▶)
) =



A word of warning: Avoid implied multiplication. Enter exactly what you want. All of the above are the same with different answers. $\frac{9}{3} \times (1+2)$ or $\frac{9}{3\times(1+2)}$ or $9 \div 3 \times (1+2)$	
To find the prime factorization of any number enter the number and press =. To see it factored press 1 2 4 = ALPHA ,,, (FACT) You can only factor positive numbers.