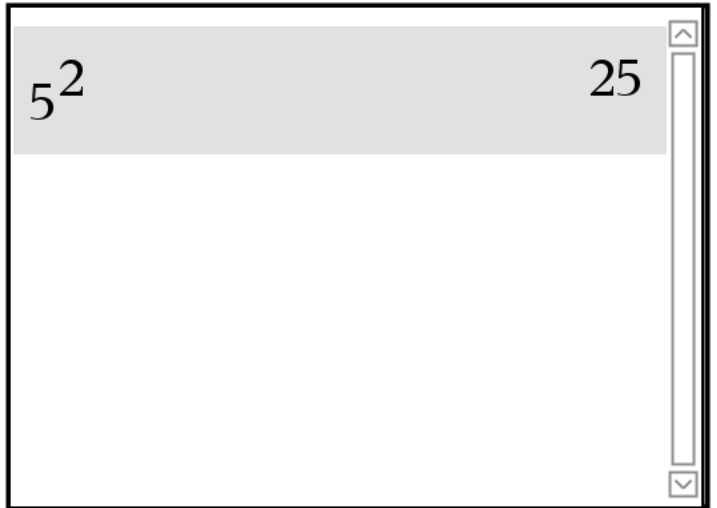


To square a number, type the number and then press the x^2 button

Or...type the 5, press ^, type the 2 (this is the method you will use if you have an exponent other than 2)

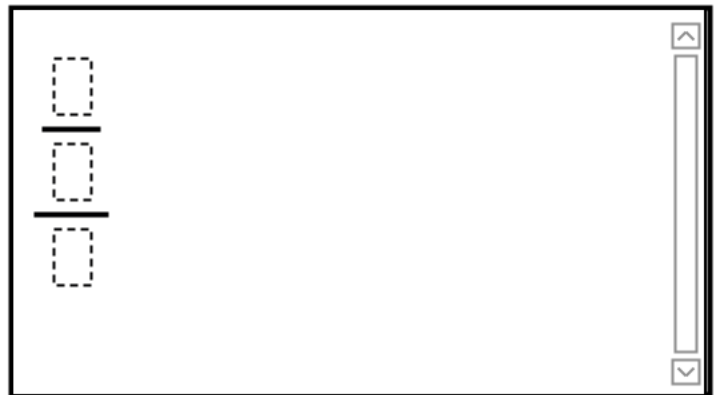


Complex fractions

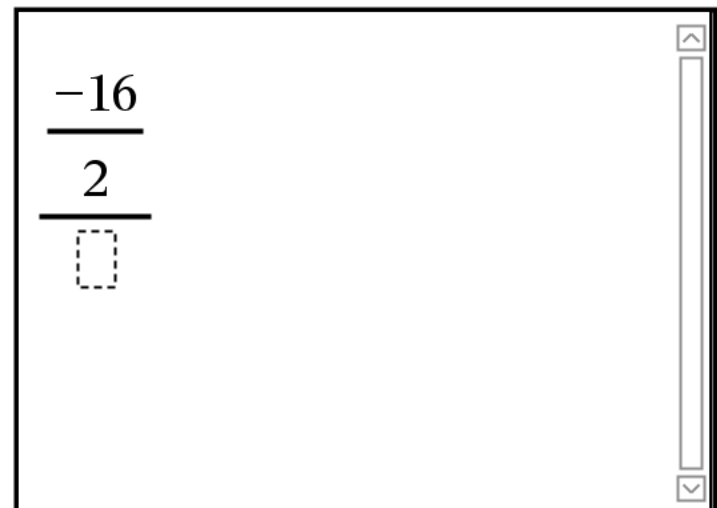
To do Exercise 1f

Press ctrl then \div to get a fraction

While in the numerator, press ctrl then \div again



Type the -16 into the top most rectangle and the 2 into the one just below that.



Right arrow out of that fraction and type the $+ 5 \cdot 2$ (note that when you press the multiplication button on your Nspire, the multiplication dot is shown)

$$\frac{-16}{2} + 5 \cdot 2$$

Down arrow to the denominator and type 2, press ^, type 3

Press enter

$$\frac{-16}{2^3} + 5 \cdot 2 = \frac{1}{4}$$

You can also use the Nspire to help you evaluate expressions.

For example, to do exercise 3c:

First store the value given for x , in this case $x = -2$

type -2 , press ctrl, press var (you want the $\text{sto} \rightarrow$), type x , press enter

Now type the expression exactly as it appears in the exercise and press enter when you are done

Note: $x = -2$ until you clear it or overwrite it.

Example, suppose you want to evaluate the same expression for

$x = 4$

type 4 , press ctrl, press var, type x , press enter

The calculator screen shows the assignment $-2 \rightarrow x$ in the top bar. Below it is a dashed box for input. On the right side, the value -2 is displayed next to a vertical scroll bar.

The calculator screen shows the assignment $-2 \rightarrow x$ in the top bar. Below it is the expression $\frac{2 \cdot (x+8)}{3} + 1$ entered in the input field. The result 5 is displayed on the right side next to a vertical scroll bar.

The calculator screen shows the assignment $-2 \rightarrow x$ in the top bar. Below it is the expression $\frac{2 \cdot (x+8)}{3} + 1$ entered in the input field. The result 5 is displayed on the right side next to a vertical scroll bar. Below this, a new assignment $4 \rightarrow x$ is shown in a shaded bar, with the value 4 displayed on the right side next to a vertical scroll bar. Below that is a dashed box for input.

To reevaluate the expression, use the up arrow to go up until the expression is highlighted

Press enter to bring it down

Press enter one more time to evaluate the expression for $x = 4$

To clear a variable of any stored values press menu, choose Actions, choose Delete Variable, type the variable to be cleared, press enter

Calculator screen showing the expression $\frac{2 \cdot (x+8)}{3} + 1$ highlighted in blue. The variable x is set to -2 . The expression is also shown on the right side of the screen.

Calculator screen showing the expression $\frac{2 \cdot (x+8)}{3} + 1$. The variable x is set to 4 . The expression is also shown on the right side of the screen.

Calculator screen showing the expression $\frac{2 \cdot (x+8)}{3} + 1$. The variable x is set to 4 . The screen shows **Del Var x** and *Done*.