



Calculator Appendix A



(Nesting Groups)

Consider this problem in which there are multiple levels of nesting groups of arithmetic operations. . . {}, [], and ():

$$5\{ 2[2 - 4(6 - 1)] - 8\}$$

The procedure for working this is to first simplify in the inner most nested group. In this case it's $(6 - 1) = 5$, so we get:

$$5\{ 2[2 - 4(5)] - 8\}$$

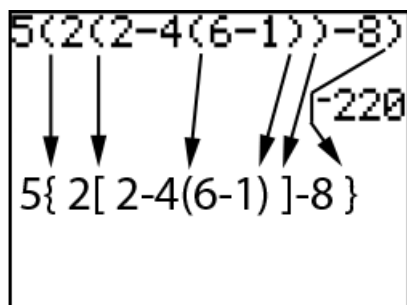
Now simplify inside the inner most group, $[2 - 4(5)] = [2 - 20] = -18$ to get:

$$5\{ 2[-18] - 8\}$$

Finally, simplify inside the curly braces to get:

$$5\{-36 - 8\} = 5\{-44\} = \boxed{-220}$$

Now that we know what the answer is, how would we enter this into the calculator (and hopefully get the same answer) since curly braces and square brackets on the calculator have **other special uses**?



Calculator display

Use **parenthesis** for **all** grouping symbols.