

**Instructions for Nerdle:**

- For each guess, enter an equation that fills all 8 boxes using the following characters:  
1234567890+-\*/=. Press enter key to submit your guess.
- For each character:
  - If that character is correct and in the right place, its box will turn green.
  - If that character is somewhere else in the equation, but not in the spot you guessed, its box will turn yellow.
  - If the character is nowhere in the equation, its box will stay black.
- The game will only accept guesses that are mathematically correct. Additionally, it will not accept a guess that is improperly formatted. Improper format means that there are two operation symbols in a row (ex.  $3++1+2=6$  is not a valid guess). (This is also to avoid python evaluating for exponents or integer division.) Also, if there is an operation symbol somewhere after the equal sign, where the answer following it is a single number (ex.  $43+4==47$  or  $43+4=47+$ ), that is invalid. In all these cases, if such an equation is entered, nothing will happen. However, the game *will* accept answers that put the equal sign first and the expression on the right (ex.  $55=40+15$ ), or two expressions on either side of the equal sign (ex.  $11+2=4*3$ ), because those are still valid equations- but none of the answers on the input list are formatted that way, so that answer will never be correct.