

Math 210 - Dr. Miller - Activity #9: Organizing Place Value Clue Solutions

Find all possible⁽⁺⁾ Hindu Arabic numerals that satisfy this set of clues. Show work, and clearly indicate your answers.

- There are no digits in the millions position or higher.
- In expanded form, the number shows $2 \cdot 10^3$.
- The sum of the digits in the thousands period is 8.
- The digits in the ones period are all the same, and odd.
- The number's word form does not use the letter "f" anywhere.
- The leftmost digit is larger than the tens digit.

(+) Sometimes, I make the problem easier by asking you to find only a few answers, such as two or three different answers, rather than finding all possible.