

Mathletes Problem of the Week #2

Number Dictionary



A dictionary lists the whole numbers from one to one thousand in alphabetical order. Find the following:

- The first entry.
- The last entry.
- The first odd entry.
- The last odd entry.
- What if the dictionary included all the numbers from one to one quadrillion? What would the first and last entries be in that dictionary?

Notes for alphabetizing:

- Ignore spaces or hyphens. For example “four hundred” comes before “fourteen” and “twenty-one” comes before “two.”
- 100 is written “one hundred” and 1,000 is “one thousand.”
- In American English, numbers like 2,001 are written as “two thousand one” without the word and.

(from Bellos, *Can You Solve My Problems?*)

Solutions & Explanations: (Try one or try them all! Record your solutions and explanations below and on the back.)

Name _____ Class _____

(First and last name, please!)

Solutions due: October 4th