Grade: 8 Math	Mastery Check Benchmark #:
8.1.2.K2	1

State Language: Identifies all the subsets of the real number system [natural (counting) numbers, whole numbers, integers, rational numbers, irrational numbers] to which a given number belongs	**Student Friendly Language:** Be able to classify all numbers into the correct subset of the Real Number System.	
Concept (Students will know): • Real Number System • Definition of subsets of Real Number System • Which subsets of a given number or set of numbers Belong?	**Skills** (Students will do): • classify numbers into subsets • compare and contrast subsets • assess whether or not a subset is always, sometimes or never a subset of another subset	**DOK Level:** **3**

Big Ideas:
Be able to sort and classify and categorize numbers (information) into distinct categories of the real number system.

Essential Questions:
1.   How do you differentiate between rational or irrational numbers?
2.   Why is a given number a part of a given subset?

Core Materials	**Supplemental Materials:**

Teaching Strategies:

Make a Real Number System chart
Identify all Real Number subsets
Define all subsets
Create Examples

Mastery Check Items: