REAL NUMBER SYSTEM

MAIN IDEAS	NOTES
Natural Numbers	counting numbers ex: 1, 2, 3, 4, …
Whole Numbers	counting numbers and zero ex: 0, 1, 2, 3, 4, …
Integers	whole numbers and their opposites ex: …-4, -3, -2, -1, 0, 1, 2, 3, 4, …
Rational Numbers	• numbers that can be written as a ratio(fraction) • when written as decimals, they terminate (end) or repeat ex: -1.25, $\frac{2}{3}$, 1.111… , 23.675, 4%, $5\frac{2}{9}$
Irrational Numbers	• numbers that CANNOT be written as a ratio • when written as decimals, they never terminate and don't repeat ex: π , 2.6958… , $\sqrt{5}$, - $\sqrt{17}$
Real Numbers	all rational and irrational numbers ex: -5.98, $\frac{5}{9}$, 0.222… , π , 6.34458… , $\sqrt{99}$

Use a graphic organizer like the one below to help you classify numbers.