

CLASSIFYING REAL NUMBERS HANDOUT

Real numbers are classified into the following groups:

- **Natural Numbers:** (1, 2, 3, 4, 5 ...)
- **Whole Numbers:** (0, 1, 2, 3, 4, ...)
- **Integers:** (... , -3, -2, -1, 0, 1, 2, 3, ...)

NOTE: Integers are numbers on the number line.

- **Rational Numbers:** Numbers that can be written as a fraction (ratio)

Example: $\frac{2}{3}$, 0, -5, $-\frac{1}{5}$, 94

- **Irrational Numbers** are numbers that cannot be written as a fraction (ratio)

Example: $\sqrt{2}$, $\sqrt{7}$, π

NOTE: If you entered an irrational number in a calculator, you would get a decimal that continues indefinitely and has **NO** repeating patterns.