

A Basic Introduction to Number Theory and Classification

Please place the following numbers into all the categories that they fall under. Use the following key to label each of these numbers.

-Real Numbers: **A**

-Whole Numbers: **W**

-Natural (Counting) Numbers: **N**

-Integers: **I**

-Rational Numbers: **T**

-Irrational Numbers: **X**

-Even Numbers: **E**

-Odd Numbers: **O**

-Prime Numbers: **P**

-Composite Numbers: **C**

- 1) 0
- 2) 1
- 3) -1
- 4) 0.5
- 5) -0.5
- 6) 25
- 7) 17
- 8) -105
- 9) 9.45
- 10) 16.032
- 11) $\sqrt{2}$
- 12) $\sqrt{3}$
- 13) $\sqrt{4}$
- 14) $\sqrt{-2}$
- 15) $-\sqrt{2}$
- 16) -43
- 17) -0
- 18) 8.97
- 19) 12.3333333333...333...
- 20) -5.145145145145...14514....