

Properties of Real Numbers

REAL NUMBERS $\mathbb{R}$

- Rational Numbers

$\mathbb{Q}$ - quotient - decimals that end or repeat
 - any number that can be written as a fraction.

- Integers

 $\mathbb{Z}$

- positive and negative wholes

- Whole Numbers

 $\mathbb{W}$

- Natural numbers and 0

- Natural Numbers

 $\mathbb{N}$

- counting numbers

1, 2, 3, ...

 I

- Irrational Numbers

- non repeating and non-terminating
 - π - All non-perfect square square roots

THE REAL NUMBER SYSTEM

Rational

$\frac{1}{2}$.6666... .71894

Integers -3, -2,

Whole 0

Natural

1, 2, 3, ...

$\frac{15}{3} = \sqrt{100}$

Irrational

 π e $\sqrt{5}$ $\sqrt{3}$ $4\sqrt{2}$

Properties of Real Numbers for any real number a, b, c.

[illegible]