

$Q \frac{a}{b} a, b \in \mathbb{Z} \quad \frac{1}{2}$

$\mathbb{Z} - \dots -3, -2, -1$

$W \quad 0$

$N \quad 1, 2, 3, \dots$

$\overline{Q}$   
 $\pi$   
 $-42.376\dots$   
 $e \approx 2.718$   
 $\sqrt{12}$

**REAL NUMBER SET**

$\mathbb{I}$

$i$

**Imaginary**

**COMPLEX NUMBER SET**

im·ag·i·nar·y num·ber  
 noun  
 MATHEMATICS  
 noun: **imaginary number**; plural noun: **imaginary numbers**

1. a number that is expressed in terms of the square root of a negative number (usually the square root of  $-1$ , represented by  $i$  or  $j$ ).
2. "when imaginary numbers are squared, they yield a negative result"