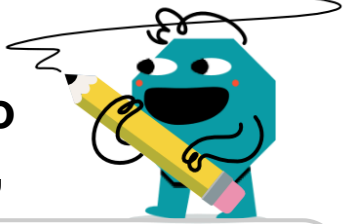
Name



Number Types (Real) - Classification to Set Builder Definition - Whole, Natural, Integer, Rational, Irrational Numbers

1 Select the set that means a real number

Real Number

A $\{bi \mid b \in \mathbb{R}, b \neq 0\}$

B $\{x \mid x \in \mathbb{W}\}$

C $\{x \mid x \in \mathbb{R}\}$

D $\{x \mid x \in \mathbb{R}, x \notin \mathbb{Q}\}$

2 Select the set that means an irrational number

Irrational Number

A $\{x \mid x \in \mathbb{R}, x \notin \mathbb{Q}\}$

B $\{a + bi \mid a, b \in \mathbb{R}, b \neq 0\}$

C $\{x \mid x \in \mathbb{N}\}$

D $\{a + bi \mid a, b \in \mathbb{R}\}$

3 Select the set that means a whole number

Whole Number

A $\{x \mid x \in \mathbb{R}, x \notin \mathbb{Q}\}$

B $\{x \mid x \in \mathbb{Q}\}$

C $\{x \mid x \in \mathbb{W}\}$

D $\{a + bi \mid a, b \in \mathbb{R}\}$

4 Select the set that means a natural number

Natural Number

A $\{a + bi \mid a, b \in \mathbb{R}\}$

B $\{x \mid x \in \mathbb{R}\}$

C $\{x \mid x \in \mathbb{W}\}$

D $\{x \mid x \in \mathbb{N}\}$

5 Select the set that means a rational number

Rational Number

A $\{a + bi \mid a, b \in \mathbb{R}\}$

B $\{x \mid x \in \mathbb{Q}\}$

C $\{x \mid x \in \mathbb{N}\}$

D $\{x \mid x \in \mathbb{R}\}$