Name

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

1 Select the set that means a natural number — Natural Number

A $\{x \mid x \in \mathbb{W}\}$	B $\{x \mid x \in \mathbb{R}, x \notin \mathbb{Q}\}$
C $\{x \mid x \in \mathbb{N}\}$	D $\{x \mid x \in \mathbb{Q}\}$

2 Select the set that means a real number — Real Number

A $\{x \mid x \in \mathbb{R}, x \notin \mathbb{Q}\}$	B $\{x \mid x \in \mathbb{W}\}$
C $\{x \mid x \in \mathbb{N}\}$	D $\{x \mid x \in \mathbb{R}\}$

3 Select the set that means an irrational number — Irrational Number

A $\{x \mid x \in \mathbb{R}, x \notin \mathbb{Q}\}$	B $\{a + bi \mid a, b \in \mathbb{R}\}$
C $\{x \mid x \in \mathbb{N}\}$	D $\{x \mid x \in \mathbb{Q}\}$

4 Select the set that means a whole number — Whole Number

A $\{x \mid x \in \mathbb{Q}\}$	B $\{x \mid x \in \mathbb{R}\}$
C $\{x \mid x \in \mathbb{W}\}$	D $\{a + bi \mid a, b \in \mathbb{R}\}$

5 Select the set that means a rational number — Rational Number

A $\{x \mid x \in \mathbb{Q}\}$	B $\{bi \mid b \in \mathbb{R}, b \neq 0\}$
C $\{x \mid x \in \mathbb{R}\}$	D $\{x \mid x \in \mathbb{R}, x \notin \mathbb{Q}\}$