



Number Types (Complex) - Set Builder Definition to Classification - Real, Imaginary, and Complex Numbers

1 What type of number does this set definition represent $\{x \mid x \in \mathbb{N}\}$

- A Irrational Number
- B Natural Number

What type of number does this set definition represent $\{bi \mid b \in \mathbb{R}, b \neq 0\}$

- A Pure Imaginary Number
- B Natural Number
- C Whole Number
- D Irrational Number

3 What type of number does this set definition represent

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

- A Irrational Number
- B Rational Number
- C Natural Number
- D Whole Number

4 What type of number does this set definition represent $\{x \mid x \in \mathbb{Q}\}$

- A Whole Number
- B Rational Number
- C Irrational Number
- D Natural Number

5 What type of number does this set definition represent

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

- A Whole Number
- B Real Number
- C Complex Number
- D Natural Number

6 What type of number does this set definition represent $\{x \mid x \in \mathbb{R}\}$

- A Natural Number
- B Whole Number
- C Rational Number
- D Real Number

7 What type of number does this set definition represent $\{x \mid x \in \mathbb{W}\}$

- A Whole Number
- B Irrational Number