Name

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

1

Select the description that matches this set definition $\{x \mid x \in \mathbb{R}\}$

A A positive integer (1, 2, 3, ...).	B A non-negative integer (0, 1, 2, 3, ...).
C Any number that can be found on the number line, including both rational and irrational	D A number that cannot be expressed as a simple fraction (e.g., √2, π)

2

Select the description that matches this set definition $\{x \mid x \in \mathbb{R}, x \notin \mathbb{Q}\}$

A Any number that can be found on the number line, including	B A positive integer (1, 2,
C A number that cannot be expressed as a simple fraction	D Any number that can be expressed as a fraction of two

3

Select the description that matches this set definition $\{x \mid x \in \mathbb{N}\}$

A A positive integer (1, 2, 3, ...).	B A number that cannot be expressed as a simple fraction (e.g., √2, π)
C Any number that can be expressed as a fraction of two integers (e.g., 1/2, -3/4, 5)	D Any number that can be found on the number line, including both rational and irrational

4

Select the description that matches this set definition $\{x \mid x \in \mathbb{W}\}$

A A non-negative integer (0, 1, 2, 3, ...).	B Any number that can be expressed as a fraction of two integers (e.g., 1/2, -3/4, 5)
C A positive integer (1, 2, 3, ...).	D Any number that can be found on the number line, including both rational and irrational

5

Select the description that matches this set definition $\{x \mid x \in \mathbb{Q}\}$

A A non-negative integer (0, 1, 2, 3, ...).	B A number that cannot be expressed as a simple fraction (e.g., √2, π)
C Any number that can be expressed as a fraction of two integers (e.g., 1/2, -3/4, 5)	D A positive integer (1, 2, 3, ...).