



Number Types (Complex) - Description to Set Builder Letter - Real, Imaginary, and Complex Numbers

1

Select the symbol that matches this description

A number that cannot be expressed as a simple fraction (e.g., $\sqrt{2}$, π).

A	W	B	Q'
C	R	D	N

2

Select the symbol that matches this description

Any number that can be expressed as a fraction of two integers (e.g., $1/2$, $-3/4$, 5).

A	W	B	Q'
C	R	D	Q

3

Select the symbol that matches this description

Any number that can be found on the number line, including both rational and irrational numbers.

A	N	B	C
C	R	D	W

4

Select the symbol that matches this description

A non-negative integer (0, 1, 2, 3, ...).

A	W	B	Q
C	C	D	N

5

Select the symbol that matches this description

A number that has a real and an imaginary part (e.g. $3 + 4i$).

A	Q'	B	C
C	Q	D	W

6

Select the symbol that matches this description

A number that can be expressed as a real number multiplied by the imaginary unit i (e.g., $-2.5i$).

A	R	B	Q'
C	W	D	i

7

Select the symbol that matches this description

A positive integer (1, 2, 3, ...).

A	Q	B	W
C	C	D	N