



## Number Types (Complex) - Description to Classification - Real, Imaginary, and Complex Numbers

**1** Select the number type that matches this description

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

A	Irrational Number	B	Real Number
C	Natural Number	D	Whole Number

**2** Select the number type that matches this description A non-negative integer (0, 1, 2, 3, ...).

A	Irrational Number	B	Whole Number
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**3** Select the number type that matches this description

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

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

**4** Select the number type that matches this description

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

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

**5** Select the number type 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	Irrational Number
B	Natural Number
C	Pure Imaginary Number
D	Real Number

**6** Select the number type that matches this description A positive integer (1, 2, 3, ...).

A	Natural Number	B	Irrational Number
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**7** Select the number type that matches this description

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

A	Rational Number	B	Whole Number
C	Real Number	D	Complex Number