



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

1

Select the number that matches this description

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

A	$-5.\overline{10}$	B	$3 + \frac{\sqrt{11}i}{9}$
C	$3 + \frac{\sqrt{47}i}{5}$		

2

Select the number that matches this description

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

A	$\sqrt{79}i$	B	$\frac{0}{4}$
C	$0.\overline{9}$		

3

Select the number that matches this description

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

A	$-4.\overline{14}$	B	$\frac{\sqrt{61}}{6}$
C	$\frac{25}{5}$		

4

Select the number that matches this description

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

A	$4 + \sqrt{47}i$	B	$\frac{\sqrt{61}}{2}$
C	$\frac{\sqrt{5}i}{3}$		

5

Select the number 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	$\sqrt{61}i$	B	$4 + \sqrt{89}i$
C	$-\frac{8}{3}$		

6

Select the number that matches this description

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

A	$4 + \sqrt{79}i$	B	$0.\overline{10}$
C	$\frac{\sqrt{47}}{9}$		