



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

<p>1</p> <p>Select the description that matches an irrational number</p> <p style="text-align: center;">Irrational Number</p>	<p>2</p> <p>Select the description that matches a rational number</p> <p style="text-align: center;">Rational Number</p>		
<p>A A number that can be expressed as a real number multiplied by the imaginary unit</p>	<p>B A number that cannot be expressed as a simple fraction (e.g. $\sqrt{2}$, π)</p>	<p>A Any number that can be found on the number line, including both rational and irrational</p>	<p>B A number that can be expressed as a real number multiplied by the imaginary unit</p>
<p>C Any number that can be expressed as a fraction of two integers (e.g. $1/2$, $-3/4$, 5)</p>	<p>D A non-negative integer (0, 1, 2, 3, ...).</p>	<p>C Any number that can be expressed as a fraction of two integers (e.g. $1/2$, $-3/4$, 5)</p>	<p>D A number that has a real and an imaginary part (e.g. $3 + 4i$).</p>
<p>3</p> <p>Select the description that matches a real number</p> <p style="text-align: center;">Real Number</p>	<p>A A positive integer (1, 2, 3, ...).</p>	<p>4</p> <p>Select the description that matches a whole number</p> <p style="text-align: center;">Whole Number</p>	
	<p>B Any number that can be found on the number line, including both rational and irrational numbers</p>	<p>A A number that can be expressed as a real number multiplied by the imaginary unit</p>	<p>B A number that has a real and an imaginary part (e.g. $3 + 4i$).</p>
	<p>C A non-negative integer (0, 1, 2, 3, ...).</p>	<p>C A non-negative integer (0, 1, 2, 3, ...).</p>	<p>D Any number that can be expressed as a fraction of two integers (e.g. $1/2$, $-3/4$, 5).</p>
	<p>D A number that can be expressed as a real number multiplied by the imaginary unit (e.g. $2.5i$)</p>		
<p>5</p> <p>Select the description that matches a complex number</p> <p style="text-align: center;">Complex Number</p>	<p>6</p> <p>Select the description that matches a natural number</p> <p style="text-align: center;">Natural Number</p>		
<p>A A non-negative integer (0, 1, 2, 3, ...).</p>	<p>B A number that can be expressed as a real number multiplied by the imaginary unit</p>	<p>A A non-negative integer (0, 1, 2, 3, ...).</p>	<p>B A number that can be expressed as a real number multiplied by the imaginary unit</p>
<p>C A number that has a real and an imaginary part (e.g. $3 + 4i$).</p>	<p>D A positive integer (1, 2, 3, ...).</p>	<p>C A number that has a real and an imaginary part (e.g. $3 + 4i$).</p>	<p>D A positive integer (1, 2, 3, ...).</p>
<p>7</p> <p>Select the description that matches a pure imaginary number</p> <p style="text-align: center;">Pure Imaginary Number</p>	<p>A A number that cannot be expressed as a simple fraction (e.g. $\sqrt{2}$, π)</p>		
	<p>B A non-negative integer (0, 1, 2, 3, ...).</p>		
	<p>C A number that can be expressed as a real number multiplied by the imaginary unit</p>		
	<p>D Any number that can be found on the number line, including both rational and irrational</p>		