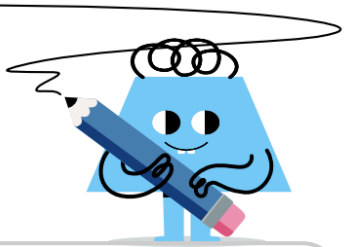
Name

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



1 Select the narrowest description that matches this number type

$$\frac{1}{4}$$

- A: A number that can be expressed as a real number multiplied by the imaginary unit i (e.g., 2.5i)
- B: A non-negative integer (0, 1, 2, 3, ...).
- C: A number that cannot be expressed as a simple fraction (e.g., √2, π).
- D: Any number that can be expressed as a fraction of two integers (e.g., 1/2, -3/4, 5).

2 Select the narrowest description that matches this number type

$$3 + 73i$$

- A: A number that includes a real part and an imaginary part (e.g., 3 + 4i).
- 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 number that can be expressed as a real number multiplied by the imaginary unit i (e.g., 2.5i)

3 Select the narrowest description that matches this number type

$$61i$$

- A: A non-negative integer (0, 1, 2, 3, ...).
- B: Any number that can be found on the number line, including both rational and irrational numbers
- C: A number that cannot be expressed as a simple fraction (e.g., √2, π).
- D: A number that can be expressed as a real number multiplied by the imaginary unit i (e.g., 2.5i)

4 Select the narrowest description that matches this number type

$$\sqrt{7}$$

- A: A number that includes a real part and an imaginary part (e.g., 3 + 4i).
- B: A non-negative integer (0, 1, 2, 3, ...).
- C: A number that cannot be expressed as a simple fraction (e.g., √2, π).
- D: A positive integer (1, 2, 3, ...).

5 Select the narrowest description that matches this number type

$$\frac{4}{9}$$

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

6 Select the narrowest description that matches this number type

$$\sqrt{5}$$

- A: A non-negative integer (0, 1, 2, 3, ...).
- B: A number that can be expressed as a real number multiplied by the imaginary unit i (e.g., 2.5i)
- C: A number that cannot be expressed as a simple fraction (e.g., √2, π).
- D: A number that includes a real part and an imaginary part (e.g., 3 + 4i).

7 Select the narrowest description that matches this number type

$$4$$

- A: A number that includes a real part and an imaginary part (e.g., 3 + 4i).
- B: A number that can be expressed as a real number multiplied by the imaginary unit i (e.g., 2.5i)
- C: A positive integer (1, 2, 3, ...).
- D: A number that cannot be expressed as a simple fraction (e.g., √2, π).

8 Select the narrowest description that matches this number type

$$4 + \frac{83i}{8}$$

- A: A non-negative integer (0, 1, 2, 3, ...).
- B: A positive integer (1, 2, 3, ...).
- C: Any number that can be found on the number line, including both rational and irrational numbers
- D: A number that includes a real part and an imaginary part (e.g., 3 + 4i).