



## Real and Imaginary Numbers

Answer Key

**1) Answer: A**

**Explanation:** The smallest whole number is 0. Recall that whole numbers are natural (or counting numbers) including 0.

**2) Answer: D**

**Explanation:** All integers are rational numbers. This means, whether an integer is a positive or a negative integer, that integer is rational.

**3) Answer: C**

**Explanation:** Negative whole numbers such as - 9 are considered as integers. Meanwhile, - 9 is not a natural number because negative numbers are not used for counting objects.

**4) Answer: D**

**Explanation:** Option A is false since - 920 is smaller in value than - 810. - 920 is located farther to the left of the real number line than - 810, making - 920 smaller in value as compared to - 810. The same reasoning can be used to explain why Option B is false. Option C is obviously false (50 is smaller than 100). Since we already provided that Options A, B, and C are false, it follows that Option D is the one that has the true statement.

**5) Answer: A**

**Explanation:** The Imaginary Unit, which is the square root of - 1, is denoted by the symbol  $i$ .



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