**1. Complete the following statements.**

|  |  |
| --- | --- |
| a. | A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is any number that can be written as a ratio of two integers. |
| b. | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ include fractions, terminating decimals, repeating decimals, integers, whole numbers, and natural numbers. |
| c. | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ include square roots that can’t be expressed as ratios (no perfect answers) and decimals that don’t repeat but that never end. |

**2. Which of the following statements are correct?**

|  |  |  |
| --- | --- | --- |
| a. | The fraction has a denominator of |  |
| b. | The fraction has a numerator of. |  |
| c. | is rational because in standard form, this number is 2 which is a whole number. |  |

**3. Which of the following numbers is irrational?**

|  |  |  |
| --- | --- | --- |
| a. |  |  |
| b. |  |  |
| c. |  |  |
| d. |  |  |

**4. Which of the following numbers is a whole number?**

|  |  |  |
| --- | --- | --- |
| a. |  |  |
| b. |  |  |
| c. |  |  |
| d. |  |  |

**5. Which of the following numbers is an integer?**

|  |  |  |
| --- | --- | --- |
| a. |  |  |
| b. |  |  |
| c. |  |  |
| d. |  |  |

**ANSWERS**

**1. Complete the following statements.**

|  |  |
| --- | --- |
| a. | A rational number is any number that can be written as a ratio of two integers. |
| b. | Rational numbers include fractions, terminating decimals, repeating decimals, integers, whole numbers and natural numbers. |
| c. | Irrational numbers include square roots that don’t work out to be ratios (no perfect answers) and decimals that don’t repeat but that never end. |

**2. Which of the following statements is correct?**

|  |  |  |
| --- | --- | --- |
| a. | The fraction has a denominator of | T |
| b. | The fraction has a numerator. | F |
| c. | is rational because in standard form this number is 2 which is a whole number. | T |

**3. Which of the following numbers is irrational?**

|  |  |  |
| --- | --- | --- |
| a. |  |  |
| b. |  |  |
| c. |  |  |
| d. |  |  |

**4. Which of the following numbers is a whole number?**

|  |  |  |
| --- | --- | --- |
| a. |  |  |
| b. |  |  |
| c. |  |  |
| d. |  |  |

**5. Which of the following numbers is an integer?**

|  |  |  |
| --- | --- | --- |
| a. |  |  |
| b. |  |  |
| c. |  |  |
| d. |  |  |