**1. Complete the following statements.**

|  |  |
| --- | --- |
| **a.** | A decimal form of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_numbers does not stop and does not repeat. |
| **b.** | \_\_\_\_\_\_\_\_\_\_\_\_\_ is the inverse operation of squaring a number. |
| **c.** | Square roots of perfect squares are always \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |

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

|  |  |  |
| --- | --- | --- |
| **a.** | All integers are rational numbers. |  |
| **b.** | A repeating decimal is an irrational number. |  |
| **c.** | All irrational numbers are whole numbers. |  |

**3. Which of the expressions with square root results to a rational number?**

|  |  |  |
| --- | --- | --- |
| **a.** | $$\sqrt{121}$$ |  |
| **b.** | $$\sqrt{120}$$ |  |
| **c.** | $$\sqrt{122}$$ |  |
| **d.** | $$\sqrt{123}$$ |  |

**4**. **Which statement is true about the quotient when** $24$ **is divided by** $0?$

|  |  |  |
| --- | --- | --- |
| **a.** | The quotient is undefined. |  |
| **b.** | The quotient is$0.$ |  |
| **c.** | The quotient is$ 12$ **.** |  |
| **d.** | The quotient is$ 24$ **.** |  |

**5. Which of the following is irrational?**

|  |  |  |
| --- | --- | --- |
| **a.** | $$\sqrt{6}$$ |  |
| **b.** | $$\sqrt{4}$$ |  |
| **c.** | $$\sqrt{100}$$ |  |
| **d.** | $$\sqrt{144}$$ |  |

**ANSWERS**

**1. Complete the following statements.**

|  |  |
| --- | --- |
| **a.** | A decimal form of irrational numbers does not stop and does not repeat. |
| **b.** | A square root is the inverse operation of squaring a number. |
| **c.** | Square roots of perfect squares are always whole numbers. |

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

|  |  |  |
| --- | --- | --- |
| **a.** | All integers are rational numbers. | **T** |
| **b.** | A repeating decimal is an irrational number. | **F** |
| **c.** | All irrational numbers are whole numbers. | **F** |

**Multiple Choices**

**3. Which of the expressions with square root results to a rational number**

|  |  |  |
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| **a.** | $$\sqrt{121}$$ |  |
| **b.** | $$\sqrt{120}$$ |  |
| **c.** | $$\sqrt{122}$$ |  |
| **d.** | $$\sqrt{123}$$ |  |

**4**. **Which statement is true about the quotient when** $24$ **is divided by** $0?$

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| **a.** | The quotient is undefined**.** |  |
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| **c.** | The quotient is$ 12$ **.** |  |
| **d.** | The quotient is$ 24$ **.** |  |

**5. Which of the following is irrational?**

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| --- | --- | --- |
| **a.** | $$\sqrt{6}$$ |  |
| **b.** | $$\sqrt{4}$$ |  |
| **c.** | $$\sqrt{100}$$ |  |
| **d.** | $$\sqrt{144}$$ |  |