**1. Complete the following statement.**

|  |  |
| --- | --- |
| **a.** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a number that is the same distance from zero on a number line as the given number, but on the opposite side of zero. |
| **b.** | \_\_\_\_\_\_\_\_\_\_\_\_\_ is a positive or negative whole number. |
| **c** | The absolute value of a number is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on a number line. |

**2. Write T for true or F for false**

|  |  |  |
| --- | --- | --- |
| **a.** | The absolute value of every integer is negative. |  |
| **b.** | A negative number is a number less than zero. |  |

**Multiple Choice**

**3. At 12:00 a.m. the temperature was 1°C. By 5:00 a.m., the temperature dropped to six degrees below zero. Write an integer to represent the 5:00 am temperature.**

|  |  |  |
| --- | --- | --- |
| **a.** | $$+6$$ |  |
| **b.** | $$-6$$ |  |
| **c.** | $$1$$ |  |

**4. Steward told you that he placed a point on a number line that had an absolute value of 4.** **At what two numbers could he have** **graphed his point?**

|  |  |  |
| --- | --- | --- |
| **a.** | $$4, -4$$ |  |
| **b.** | $$4,0$$ |  |
| **c.** | $$-4,0$$ |  |

**5. Find the value of the expression** $\left|-6\right|-4$

|  |  |  |
| --- | --- | --- |
| **a.** | $$2$$ |  |
| **b.** | $$-2$$ |  |
| **c.** | $$-10$$ |  |

**ANSWERS**

**1. Complete the following statement.**

|  |  |
| --- | --- |
| **a.** | The opposite of a number is a number that is the same distance from zero on a number line as the given number, but on the opposite side of zero. |
| **b.** | An integer is a positive or negative whole number. |
| **c** | The absolute value of a number is the distance between 0 and the number on a number line. |

**2. Write T for true or F for false**

|  |  |  |
| --- | --- | --- |
| **a.** | The absolute value of every integer is negative. | **F** |
| **b.** | A negative number is a number less than zero. | **T** |

**Multiple Choice**

**3. At 12:00 a.m. the temperature was 1°C. By 5:00 a.m., the temperature dropped to six degrees below zero. Write an integer to represent the 5:00 am temperature.**

|  |  |  |
| --- | --- | --- |
| **a.** | $$+6$$ |  |
| **b.** | $$-6$$ |  |
| **c.** | $$1$$ |  |

**4. Steward told you that he placed a point on a number line that had an absolute value of 4.** **At what two numbers could he have** **graphed his point?**

|  |  |  |
| --- | --- | --- |
| **a.** | $$4, -4$$ |  |
| **b.** | $$4,0$$ |  |
| **c.** | $$-4,0$$ |  |

**5. Find the value of the expression** $\left|-6\right|-4$

|  |  |  |
| --- | --- | --- |
| **a.** | $$2$$ |  |
| **b.** | $$-2$$ |  |
| **c.** | $$-10$$ |  |