**Answers:**

1. Place each number in the most SPECIFIC categories of real numbers they belong.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  | Real Numbers : |  |
|  | Irrational Numbers : |  |
|  | Rational Numbers : |  |
|  | Non-integers : |  |
|  | Integers : |  |
|  | Negative Numbers : |  |
|  | Whole Numbers : |  |
|  | Zero : |  |
|  | Natural Numbers : |  |

1. Complete the diagram with the family of real numbers.



3. Represent the following with integers.

|  |  |  |
| --- | --- | --- |
| a. | An increase of $10 weekly allowance | **+10** |
| b. | Raising the flag 3 feet higher | **+3** |
| c. | Diving 150 meters below sea level | **-150** |
| d. | Going down the stairs 15 steps | **-15** |
| e. | Walking 10 blocks south | **-10** |
| f. | Weight increase of 1.5 kilograms | **+1.5** |
| g. | A bank deposit of $1000 | **+1000** |
| h. | $100 Tom owes from a friend | **-100** |

1. Arrange the following real numbers as instructed.
2. Descending

1. Ascending

1. Name the coordinates of the points graphed on each number line.

|  |  |
| --- | --- |
|  | **2****3****4****5****6****1****0****-1****-2** (Arranged in order from left to right) |
|  | **0****-1****-2** |

(Arranged in order from left to right)

1. Graph each set of numbers.

|  |  |
| --- | --- |
|  | -10 |
|  | -1.52-4.5 |

1. Find each absolute value.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |