**Answers:**

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

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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|  | |  |  |  | |  |  |  |  |  |  | |
|  | 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.

|  |  |
| --- | --- |
|  | -1  0 |
|  | -1.5  2  -4.5 |

1. Find each absolute value.

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