Rational Numbers: Any number that can be expressed as a fraction.

Irrational Numbers: A number that is a non-repeating, non-terminating decimal.

|  |  |
| --- | --- |
| Rational Numbers | Irrational Numbers |
| Whole numbersIntegersFractionsTerminating DecimalsRepeating DecimalsSquare roots of perfect squares | PiSquare roots of non-perfect squaresNon-repeating, non-terminating decimals |

|  |
| --- |
|  -72 0.75 π 8.555….0.2173624…. -4.6 |
| Rational Numbers | Irrational Numbers |
| -720.758.555….-4.6 | Π0.2173624…. |

|  |
| --- |
|  π 0.3030030003…. |
| Rational Numbers | Irrational Numbers |
|  | Π0.3030030003…. |

Place the following numbers on a number line:

-0.2, , 1, , -4,

 **-4 -0.2 1**

Place the following numbers on a number line:

, 5, , -2, -1, π

 **-2 -1 π 5**

Place the following numbers on a number line:

-3, , 2, , 3.7,

 **-3 2 3.7**