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

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

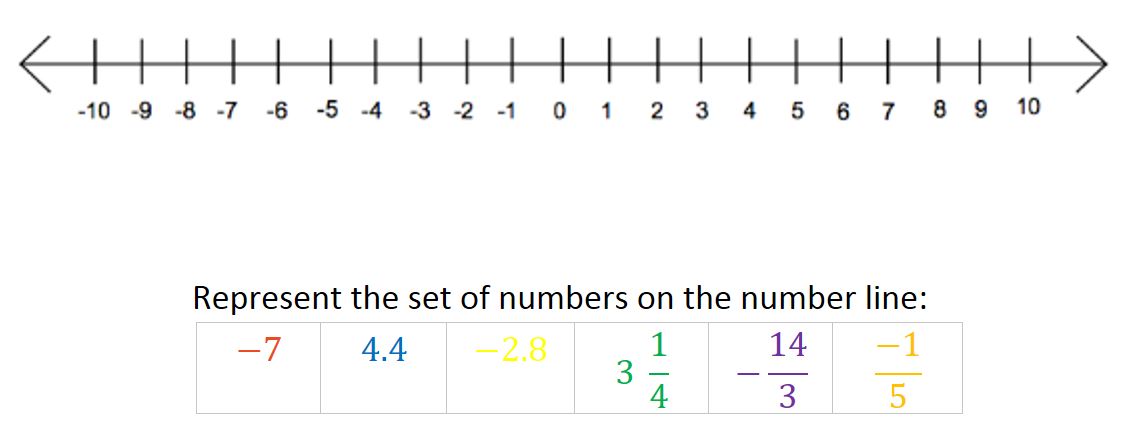
|  |  |
| --- | --- |
| Rational Numbers | Irrational Numbers |
| Whole numbers  Integers  Fractions  Terminating Decimals  Repeating Decimals  Square roots of perfect squares | Pi  Square roots of non-perfect squares  Non-repeating, non-terminating decimals |

|  |  |
| --- | --- |
| -72 0.75  π 8.555….  0.2173624…. -4.6 | |
| Rational Numbers | Irrational Numbers |
| -72  0.75  8.555….  -4.6 | Π  0.2173624…. |

|  |  |
| --- | --- |
| π 0.3030030003…. | |
| Rational Numbers | Irrational Numbers |
|  | Π  0.3030030003…. |

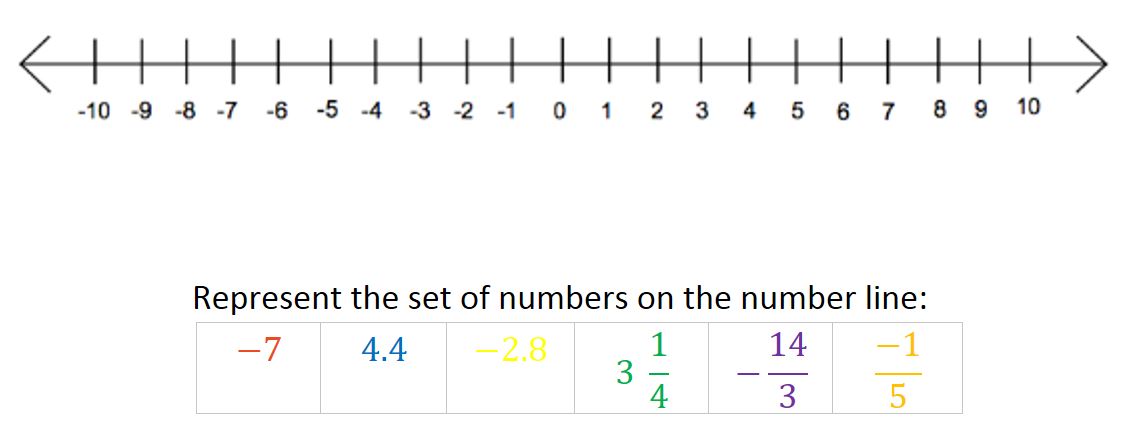
Place the following numbers on a number line:

-0.2, , 1, , -4,

 **-4 -0.2 1**

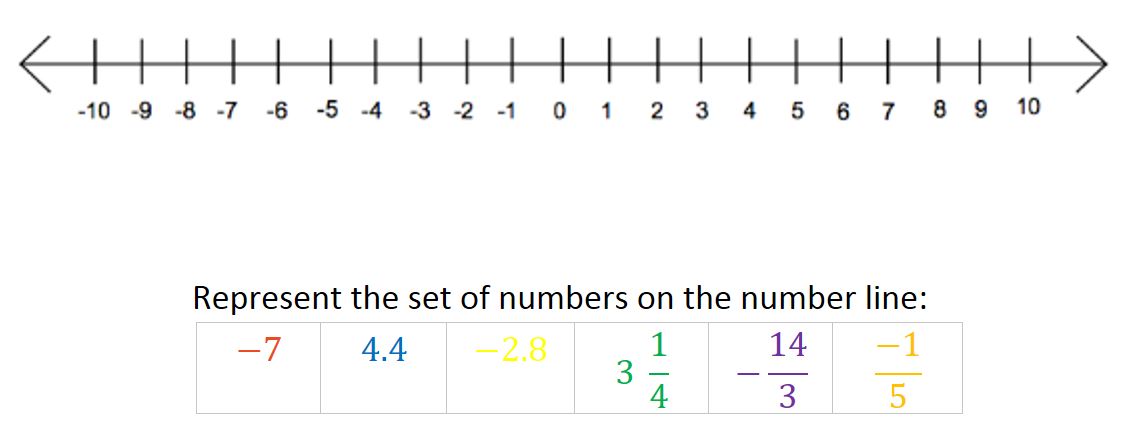
Place the following numbers on a number line:

, 5, , -2, -1, π

 **-2 -1 π 5**

Place the following numbers on a number line:

-3, , 2, , 3.7,

 **-3 2 3.7**