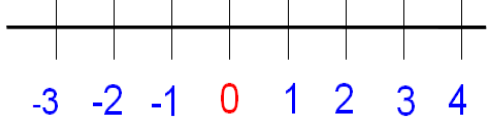




<p>Real Numbers</p>	<p>A real number is a number that can be found on the number line.</p>	<div style="border: 1px solid black; padding: 5px; background-color: #ffffcc;"> <p style="text-align: center;">Real Numbers</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 5px; width: 60%;"> <p style="text-align: center; color: red;">Rational Numbers</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">$\frac{1}{2}$</td> <td style="text-align: center;">$\frac{2}{3}$</td> <td style="text-align: center;">$\frac{5}{8}$</td> </tr> <tr> <td colspan="3" style="border: 1px solid black; padding: 2px;"> <p style="text-align: center; color: blue;">Integers</p> </td> </tr> <tr> <td style="text-align: center;">-8</td> <td style="text-align: center;">0</td> <td style="text-align: center;">+3</td> </tr> <tr> <td colspan="3" style="border: 1px solid black; padding: 2px;"> <p style="text-align: center; color: red;">Whole Numbers</p> </td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> <td style="text-align: center;">5 10</td> </tr> </table> </td> <td style="border: 1px solid black; padding: 5px; width: 40%;"> <p style="text-align: center; color: blue;">Irrational Numbers</p> <p style="text-align: center; color: blue;">π</p> <p style="text-align: center;">$\sqrt{2}$ $\sqrt{3}$</p> <p style="text-align: center;">$\sqrt{7}$</p> </td> </tr> </table> </div>	<p style="text-align: center; color: red;">Rational Numbers</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">$\frac{1}{2}$</td> <td style="text-align: center;">$\frac{2}{3}$</td> <td style="text-align: center;">$\frac{5}{8}$</td> </tr> <tr> <td colspan="3" style="border: 1px solid black; padding: 2px;"> <p style="text-align: center; color: blue;">Integers</p> </td> </tr> <tr> <td style="text-align: center;">-8</td> <td style="text-align: center;">0</td> <td style="text-align: center;">+3</td> </tr> <tr> <td colspan="3" style="border: 1px solid black; padding: 2px;"> <p style="text-align: center; color: red;">Whole Numbers</p> </td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> <td style="text-align: center;">5 10</td> </tr> </table>	$\frac{1}{2}$	$\frac{2}{3}$	$\frac{5}{8}$	<p style="text-align: center; color: blue;">Integers</p>			-8	0	+3	<p style="text-align: center; color: red;">Whole Numbers</p>			0	1	5 10	<p style="text-align: center; color: blue;">Irrational Numbers</p> <p style="text-align: center; color: blue;">π</p> <p style="text-align: center;">$\sqrt{2}$ $\sqrt{3}$</p> <p style="text-align: center;">$\sqrt{7}$</p>
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<p>Natural Numbers</p>	<p>Natural numbers are the counting numbers {1, 2, 3, ...} (the non-negative integers)</p>	<p style="text-align: center;">1, 2, 3, ...</p>																	
<p>Integers</p>	<p>Integers are the natural numbers and their negatives {... -3, -2, -1, 0, 1, 2, 3, ...}.</p>	<p style="text-align: center;">...-3, -2, -1, 0, 1, 2 3, ...</p>																	
<p>Whole Numbers</p>	<p>A whole number is a number that is not a fraction or a decimal</p>	<p style="text-align: center;">0, 1, 2, 3</p>																	
<p>Rational</p>	<p>Rational numbers are the ratios of integers, also called fractions</p>	<p style="text-align: center;">1/2, 2/3, 5/8</p>																	
<p>Irrational Numbers</p>	<p>an irrational number is any real number that cannot be expressed as a fraction a/b, where a and b are integers, with b non-zero,</p>	<p style="text-align: center;">π, $\sqrt{2}$</p> <p>The square roots of all numbers which are not perfect squares are irrational</p>																	



Prime numbers	Numbers that can only be divided by 1 and itself and have no remainders.	Prime Numbers = 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, ...			
Composite Numbers	Numbers that can be divided by more than two factors and have no remainders.	Composite Numbers = 4, 6, 8, 10, 12, 14, 16, 18, 20, .			
Neutral numbers	These numbers are not prime nor composite: 0 and 1	0, 1			
Rounding Numbers	<p>(1) Underline the number that is in the place that you want to round</p> <p>(2) Look at the number on the right of the underlined number.</p> <ul style="list-style-type: none"> * If it's 5 or more, add one more to the underlined number. * If it's 4 or less, keep the underlined number the same. <p>(3) Numbers on the left stay the same and numbers on the right became zeros.</p>	<p>Ex. Round to the nearest hundreds</p> <p>3, <u>2</u>78 = 3, 300</p> <p style="margin-left: 100px;">↑</p>			
Number Line	A number line is a straight line with a "zero" point in the middle, with positive and negative numbers listed on either side.	 <p style="text-align: center;">-3 -2 -1 0 1 2 3 4</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <p>Negative numbers</p> <p>A number that is less than zero</p> <p>Below zero</p> <p>Decrease</p> <p>Withdraw</p> <p>Loss</p> </td> <td style="width: 33%; vertical-align: top; text-align: center;"> <p>Neutral Number</p> </td> <td style="width: 33%; vertical-align: top;"> <p>Positive numbers</p> <p>A number greater than zero</p> <p>Above zero</p> <p>Increase</p> <p>Deposit</p> <p>Gain</p> </td> </tr> </table>	<p>Negative numbers</p> <p>A number that is less than zero</p> <p>Below zero</p> <p>Decrease</p> <p>Withdraw</p> <p>Loss</p>	<p>Neutral Number</p>	<p>Positive numbers</p> <p>A number greater than zero</p> <p>Above zero</p> <p>Increase</p> <p>Deposit</p> <p>Gain</p>
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