

## Comparing and Ordering Real Numbers

MAIN IDEAS	NOTES
<b>comparing real numbers</b>	<ul style="list-style-type: none"> <li>• change them all to decimals</li> <li>• To convert from a percent to a decimal, divide the percent by 100</li> <li>• Use an approximate value (round) when ordering irrational numbers</li> <li>• When putting integers in order, the larger the negative number is, the lesser its value is.</li> </ul>
<b>graphing real numbers on a number line</b>	<p>Draw a number line to help you put numbers in order</p> <p>Graph the set of numbers on a number line.</p> <p style="text-align: center;"><math>-\sqrt{17}</math>, 5.45, <math>3\frac{2}{5}</math>, 65%</p> <p style="text-align: center;"><math>-\sqrt{17} \approx -4.1</math>      <math>3\frac{2}{5} = 3.4</math>      65% = 0.65</p> <p style="text-align: center;"><math>-\sqrt{17}</math>                      65%                      <math>3\frac{2}{5}</math>      5.45</p> <p style="text-align: center;">-5                                      0                                      5</p>
<b>listing real numbers in order</b>	<p>List the numbers in order from least to greatest.</p> <p style="text-align: center;"><math>-\sqrt{17}</math>, 65%, <math>3\frac{2}{5}</math>, 5.45</p> <p>List the numbers in order from greatest to least.</p> <p style="text-align: center;">5.45, <math>3\frac{2}{5}</math>, 65%, <math>-\sqrt{17}</math></p>