

**Standard: 6.NS.7b**

Write, interpret, and explain statements of order for rational numbers in real-world contexts.

**I can statements:**

- I can explain inequalities used in real world situations.

<b>Score 4.0</b>	<b>In addition to Score 3.0, in-depth inferences and applications that go beyond what was taught.</b>	<b>Sample Activities</b>												
		<table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #ffffcc;">Animal</th> <th style="background-color: #ffffcc;">Portion of Day Sleeping</th> </tr> </thead> <tbody> <tr> <td>Dolphin</td> <td>0.433</td> </tr> <tr> <td>Lion</td> <td>56.3%</td> </tr> <tr> <td>Rabbit</td> <td><math>\frac{19}{40}</math></td> </tr> <tr> <td>Squirrel</td> <td>31</td> </tr> <tr> <td>Tiger</td> <td>65.8%</td> </tr> </tbody> </table> <p><b>SLEEP</b> The table shows the portions of the day that several animals sleep.</p> <p>a. Order the animals by sleep time from least to greatest.</p> <p>Answer: Dolphin, Rabbit, Lion, Squirrel, Tiger</p>	Animal	Portion of Day Sleeping	Dolphin	0.433	Lion	56.3%	Rabbit	$\frac{19}{40}$	Squirrel	31	Tiger	65.8%
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	<b>3.5</b> In addition to score 3.0 performance, in-depth inferences and applications with partial success.													
<b>Score 3.0</b>	<b>The student can solve multistep problems involving properties of operations.</b>  <b>The student exhibits no major errors or omissions.</b>	<p>On Tuesday the temperature was <math>-4^{\circ}\text{F}</math> and on Wednesday the temperature was <math>-1^{\circ}\text{F}</math>.</p> <p>a. Plot the integers on a number line.</p> <div style="text-align: center;"> </div> <p>b. Write the inequality.</p> <p>c. Explain how you know your answer is correct.</p>												
	<b>2.5</b> No major errors or omissions regarding 2.0 content and partial knowledge of the 3.0 content.													
<b>Score 2.0</b>	<b>There are no major errors or omissions regarding the simpler details and processes. However, the student exhibits major errors or omissions regarding the more complex ideas and processes.</b>	<p>On Tuesday the temperature was <math>-4^{\circ}\text{F}</math> and on Wednesday the temperature was <math>-1^{\circ}\text{F}</math>.</p> <p>a. Which day was colder?</p>												
	<b>1.5</b> Partial knowledge of the 2.0 content, but major errors or omissions regarding the 3.0 content.													
<b>Score 1.0</b>	<b>With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.</b>													
	<b>0.5</b> With help, a partial understanding of the 2.0 content, but not the 3.0 content.													
<b>Score 0.0</b>	<b>Even with help, no understanding or skill demonstrated.</b>													