

COMPARING AND ORDERING DECIMALS

DECIMALS

- A decimal is a rational number that represents _____ of a whole, where the part is base _____. All decimals can be represented on a number line.
- Examples: _____

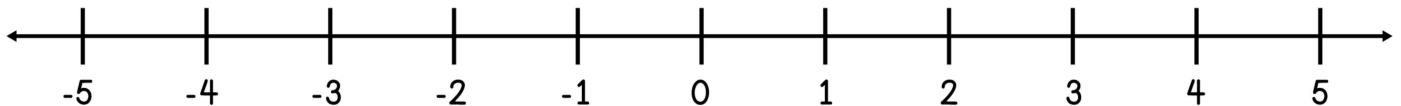
Use the number line below to plot and label the points in set #1. Then, plot and label the points in set #2.

SET #1

A: -5, B: -3, C: 1, D: 3

SET #2

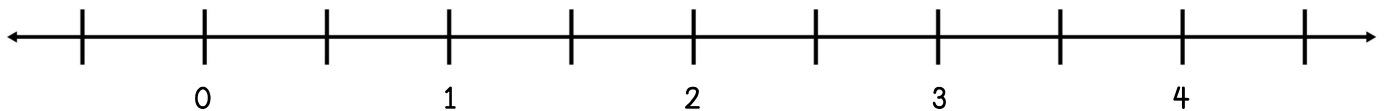
E: 2.5, F: 3.75, G: -1.5, H: -3.5



- What term can you use to describe the numbers in set 1?
- What did you notice when you plotted points G and H? How is this different than plotting points E and F?

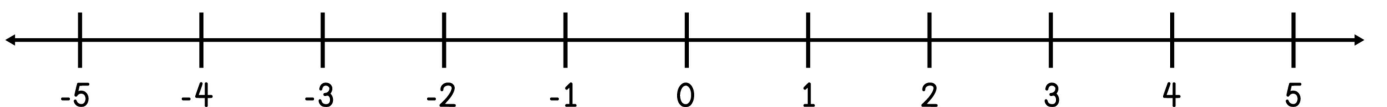
1. Use the number line below to order the following positive decimals.

A: 4.2 B: 1.6 C: 1.05 D: 0.8



2. Place the following decimals on the number line below.

A: -3.5 B: -4.2 C: 1.1 D: -2.7 E: 1.9



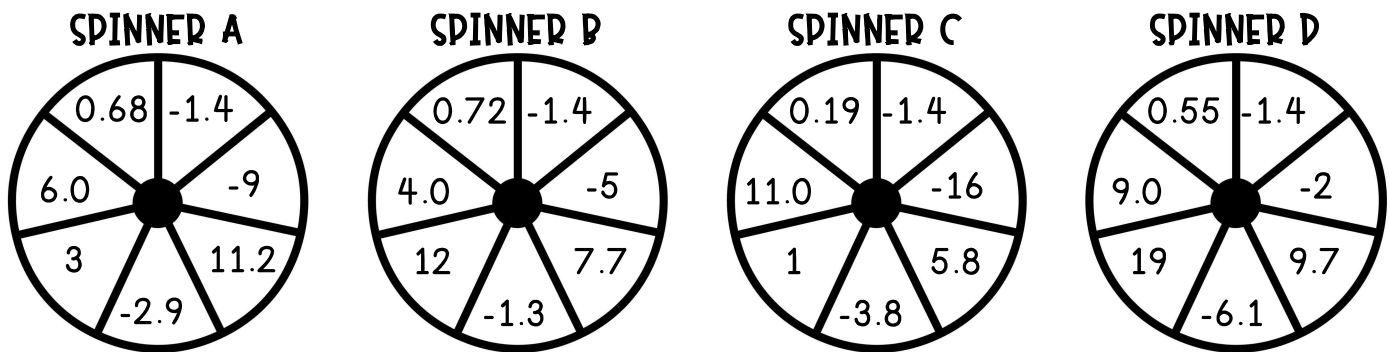
Use your understanding of ordering decimals and integers to answer the questions below.

<p>3. Order the following numbers from least to greatest. Sketch a number line to help.</p> <p style="text-align: center;">4, -6, 4.6, 16, -3.9</p> <p style="text-align: center;">_____</p>	<p>4. Order the following numbers from least to greatest. Sketch a number line to help.</p> <p style="text-align: center;">1.77, 17, 1.07, -4.5, -7</p> <p style="text-align: center;">_____</p>
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Use your understanding of comparing decimals to answer questions 5-6.

<p>5. Use the symbols $<$, $>$, or $=$ to make each statement true.</p> <p>a. -5.05 _____ -5</p> <p>b. 3.58 _____ 3.2</p> <p>c. -1.75 _____ -0.75</p> <p>d. -24 _____ -24.0</p>	<p>6. Three students were asked to write a decimal less than -3.5. Determine which student(s) completed the task correctly.</p> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="text-align: center;"> <p>EDDY</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 60px; margin: 0 auto;">-3.6</div> </div> <div style="text-align: center;"> <p>ABE</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 60px; margin: 0 auto;">-3.50</div> </div> <div style="text-align: center;"> <p>JAX</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 60px; margin: 0 auto;">-3.05</div> </div> </div>
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Use a pencil and paperclip to spin spinners A-D. Then, order the values according to the table.



	WHAT DID YOU SPIN?	ORDERED VALUES
LEAST TO GREATEST		
GREATEST TO LEAST		
LEAST TO GREATEST		
GREATEST TO LEAST		

Summarize today's lesson: