K'NEX Spinning Top Data Table

Directions: Complete the table with data as you spin your top and revise its design. Then, answer the questions to analyze the data. Note - You may not have time to complete 10 trials.

Trial Number	Time Top Spun (in seconds)	Describe how you will change the design to improve before the next spin.
Trial 1		
Trial 2		
Trial 3		
Trial 4		
Trial 5		
Trial 6		
Trial 7		
Trial 8		
Trial 9		
Trial 10		

Data Analysis

1. Explain which trials had the **least** and **greatest** spin times. Describe how you know.

2. Write the longest spin time in base-ten numerals, number name, and expanded forms.

3. Label the place values below. Write your shortest spin time in the correct places on the chart.

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4. Write three comparison statements using your spin times.
    Example: 13 seconds < 15 seconds.

5. Put your spin times in order from **least to greatest.**