

Name _____

Date _____

Roller Coaster Project

Grade 4

Standards: 4.OA.3, 4.NBT.2, 4.NBT.4, 4.NF.3, 4.MD.1, 4.MD.2,

Directions: Use your Roller Coaster Data sheet to answer the following questions. You must show your work.

- 1) What is the difference in height between the highest and lowest roller coaster? Estimate your answer before finding the actual difference.

- 2) Which roller coaster has the longest duration?

- 3) The Bizarro Roller Coaster at Six Flags lasts a total of $2\frac{1}{2}$ minutes. How many seconds does Bizarro last?

- 4) How many seconds longer is the Bizarro Roller Coaster than the Kingda Ka Roller Coaster?

- 5) Order the roller coasters by length from least to greatest.

- 6) Order the roller coasters by their age from greatest to least.

- 7) Imagine that you are at El Toro Six Flags with your classmates. Your teacher tells you that you have five minutes left before you need to board the bus. Before riding El Toro you must wait on line for one minute. It will take you a minute and a half to return to your bus. Do you have enough time to ride the coaster and return to your bus without being late? Show or explain how you got your answer.