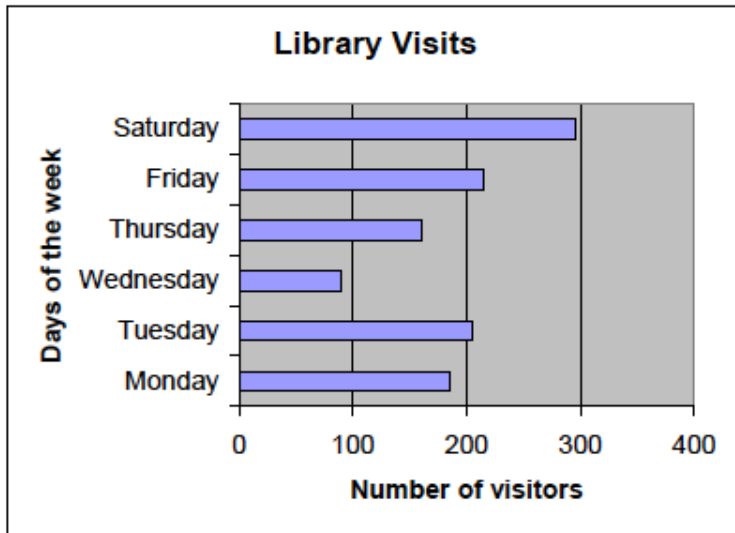


Study Guide: Density and Graphing Quiz 2016

- 1. Mrs. King has 1 kilogram of gold and 1 gram of gold she wants to sell to the local jeweler. Which piece of gold has the most density? Why?**
- 2. What are the units of measurement for density?**
- 3. A block of aluminum occupies a volume of 15.0 mL and weighs 40.5 g. What is its density? (Show your work and use the correct units)**
- 4. A rectangular block of copper metal weighs 1000 g. The dimensions of the block are 8 cm by 5 cm by 4 cm. From this data, what is the density of copper? (Show your work and use the correct units)**
- 5. Mrs. D'Surney is on a hike in the woods. While on her hike, she walks towards a river and notices a log floating down the river. She picks up a stick and throws it in the river but it sinks. Why does the log float but her little stick sinks?**
- 6. What does a line graph show?**
- 7. Where is the independent variable on a line graph?**
- 8. Where is the dependent variable on a line graph?**

Study Guide: Density and Graphing Quiz 2016

9. Use the following graph to answer question #1.



1. On which day did the library receive the most visitors?