DATA GATHERING SHEET

My Object: _____

1. _____ is located in _____.

2. My object was constructed in _____.

3. Three cool facts about my object or reasons my object is famous.

    a. _____

    b. _____

    c. _____

4. Trigonometric functions are periodic and they relate back to circular functions. Think about why your object is periodic and answer the follow questions. Include units.

Maximum height of the entire object.	
Location of the center of the circle (see #5 below).	
Diameter of the object.	
Radius of the moving parts. The object may have more than one moving part. List them all.	
Amount of time it takes for object to complete one full cycle. Could be different if there is more than one moving part!	

5. Print a picture of your object and bring it to class. If possible, the object should be a straight-on view. If the height of the center of the clock cannot be found online, use your picture and proportional reasoning to find the height of the center. Show your work here.