

Activity 1: Measurements in Science

Name _____

Date _____

Class _____

Seven teams of students want to measure how much time it takes a pendulum to swing back and forth 20 times. Each team repeats the time measurement five times (5 trials). After averaging their trials, each group records its best value in a table for the whole class to see.

Table: Time for 20 Swings of the Pendulum

Team	Time for 20 Swings (s)
Team 1	27.5
Team 2	28.5
Team 3	140.0
Team 4	28.0
Team 5	28.5
Team 6	28.0
Team 7	27.5

1. Should any of the class data not be used? Why do you think so?

2. What is the *class's* best value for the measurement of how much time it takes a pendulum to swing back and forth 20 times? Show your work.

3. Explain what you did to determine the class's best value.
