

ADVANCED MANAGEMENT SERVICES

CSEC MATHEMATICS SBA

Title: Does the amount of weight carried by an athlete affect their speed over 100m?

OBJECTIVE: To determine if the amount of weight carried by an athlete affects their speed over 100m.

The information for this project may be collected using the method of experiment or investigation on a sample size of 20 students.

Information is to be collated in a table or tables, showing the results of all experiments or investigations conducted.

Student must produce well labelled tables of the data collected.

Students are to record any significant observations.

Students should draw WELL-LABELLED bar charts and line charts to show the results of the collected information.

INSTRUCTIONS FOR COMPLETING MATHEMATICS SBA

Students are to begin this assignment from December 16, 2020, work on it during the Following Months and submit a FIRST DRAFT during January 2021, week 1. The first draft must be printed. Only one (1) per group.

The final SBA must be submitted on a USB flash drive. Each student must submit their own final SBA.

1. Students should choose an appropriate title.
2. A table of contents should be included at the beginning. Objectives should be clearly stated.
3. Appropriate methods of data collection should be clearly stated.
4. The data should be presented in an appropriate manner. All graphs, tables and charts should be properly drawn and appropriately well-labelled.
5. A detailed and coherent analysis of the data presented is required.
6. What did you infer (gather) from the information as a result of your findings?
7. Having analysed the data, write a detailed conclusion. This may include suggestions on ways that you think the speed of an athlete may be improved. Reflect on your experiences in collecting this information and completing this project.
8. Overall presentation is important and will be marked.