



Task Number	2	Task Name	"Simply the best" - Data Assessment
Course	Mathematics Standard	Faculty	Mathematics
Teacher	Humphrys, Broadley, Tyson	Head Teacher	Humphrys
Issue date	6/6/2024 (Week 6)	Due date	Hand in during class on 20/6/2024 (Week 8)
Focus (Topic)	Data Analysis	Task Weighting	30%

Outcomes

MS11-2 A student represents information in symbolic, graphical and tabular form
MS11-7 A student develops and carries out simple statistical processes to answer questions posed
MS11-9 A student uses appropriate technology to investigate, organise and interpret information in a range of contexts
MS11-10 A student justifies a response to a given problem using appropriate mathematical terminology and/or calculations

Task description

Students are to choose a profession and select three (3) people from that profession. *No two students can choose the same people, however they may choose the same profession. Students are to inform the class teacher of their selected people, at which point no other student may choose that person.*

Students will then complete the following:

1. Collect data on a minimum of three (3) aspects of the profession i.e. number of tackles, points scored, sales revenue, youtube views, income, etc. Display data in a minimum of 3 forms/graphs/charts etc
2. Calculate measures of central tendency and spread using the collected data.
3. Using your data justify who is "Simply the Best" making use of statistical displays.

Students will be given support in specific Mathematics Standard lessons with the collection of data, calculation of central tendency, and presenting conclusions.

Professions that students could pick from but are not limited to include; Sport, Social Media, Acting, Business CEO's, Technology developers, Video Game developers. Check the suitability of your selected profession with your classroom teacher.

Marking Guidelines

Attached is a marking rubric in which marks will be allocated. Total = 30

Outcome	0	1	2	3	4
MS11-2 A student represents information in symbolic, graphical and tabular form	No displays (table, graph etc)	1 type of display	2 types of display	3 or more types of displays	
	No displays (table, graph etc)	Displays are neat	Displays are neat and contain some labels, titles	Displays are neat and contain most labels titles	Displays are neat and contains all labels, titles
MS11-7 A student develops and carries out simple statistical processes to answer questions posed	No data submitted	Less than 10 points of comparison used	10 or more points of comparison used		
	No attempt to calculate mean	Calculates mean incorrectly partially shown solution	Calculates mean correctly showing partial solutions for both data sets	Calculates mean correctly showing full solutions for both data sets	
	No attempt to calculate mode	Calculates mode incorrectly partially shown solution	Calculates mode correctly showing partial solutions for both data sets	Calculates mode correctly showing full solutions for both data sets	
	No attempt to calculate median	Calculates median incorrectly partially shown solution	Calculates median correctly showing partial solutions for both data sets	Calculates median correctly showing full solutions for both data sets	
MS11-9 A student uses appropriate technology to investigate, organise and interpret information in a range of contexts	No technology was used	Credible sources used			
	No referencing / bibliography	Bibliography done using Harvard referencing technique or an attempt.			
	No presentation	Presentation is easy to read	Presentation is easy to read and interpret	Presentation is high quality	
MS11-10 A student justifies a response to a given problem using appropriate mathematical terminology and/or calculations	No justification made	Justification is basic	Data is used and justified satisfactorily	Data is used and justified extensively	
	No terminology and/or calculations are used	Some mathematical terminology and/or calculations are used	All mathematical terminology and/or calculations are used		