Outcome	Limited/1	Basic/2	Sound/3	High/4	Outstanding/5
MA4-DAT-C-01: Classifies and displays data using a variety of graphical representations. **(Question 2)**	Graph is incomplete, incorrect, or inappropriate for the data set.	Basic graph is presented with some errors or unclear representations.	Graph is mostly accurate and appropriate, with minor errors in scaling, labels, or accuracy.	Graph is accurate and clearly represents the data with correct labels, scale, and clarity. Suitable justification of graph type provided using mathematical reasoning.	Graph is accurate, well-structured, and visually clear, including all required elements (title, labels, scale, accuracy). Insightful justification of graph type provided using mathematical reasoning.
MA4-DAT-C-02 (Centre): Calculates and interprets measures of central tendency (mean, median, mode). **(Question 3-4)**	Attempts to calculate measures of central tendency with no correct results.	Basic calculations on measures of central tendency with several errors. Some mathematical working out shown.	Correctly calculates all 3 measures of central tendency with full mathematical working shown.	Accurate calculations with no errors and explicit mathematical working. Attempted justification using mathematical reasoning with strong and mostly correct interpretations. Skewness and outliers considered.	Accurate calculations with no errors and explicit mathematical working. Insightful and precise interpretations, with justification using mathematical reasoning. Clearly explains skewness, outliers, and their impact.
MA4-DAT-C-02 (Spread): Analyses data using measures of spread (range and outliers). **(Question 5-6)**	Attempts to calculate measures of spread with no correct results.	Basic analysis with errors in calculation or understanding of measures of spread. Some mathematical working out shown.	Accurately calculates the range and outliers with full mathematical working shown.	Accurate calculations of the range and outliers with full mathematical working shown. Strong interpretation with clear reasoning. Outliers are considered, and justification is mostly correct using mathematical terminology.	Accurate calculations of the range and outliers with full mathematical working shown. Comprehensive analysis with exemplary understanding and insightful justification of measures of spread. Clearly explains how outliers impact the range and overall data spread. Uses precise mathematical terminology.
MA4-DAT-C-02 (Shape): Describes and interprets data distribution (symmetry, skewness). **(Question 7)**	Limited description of shape with minimal or incorrect interpretations.	Basic description of shape with minimal or incorrect interpretations.	Clear, accurate description of data distribution with strong interpretations, using the specific mathematical terminology.		
MAO-WM-01: Develops understanding and fluency in mathematics through exploring and connecting mathematical concepts, choosing and applying mathematical techniques to solve problems, and communicating their thinking and reasoning coherently and clearly. **(Question 8-9)**	No real-world application or incorrect interpretation. No reasoning provided. No discussion of data reliability, biases, or limitations.	Demonstrates basic understanding of real-world application & data reliability with some errors in mathematical reasoning and incomplete explanations. Limited mention of biases, errors, or reliability concerns.	Demonstrates sound understanding of real-world application & data reliability with mostly correct reasoning, though explanations may lack depth or clarity. Identifies some biases or errors but lacks depth in explanation.	Demonstrates high understanding of real-world application & data reliability with clear reasoning and correct use of mathematical techniques. Provides a strong real-world application. Explains how the dataset supports a decision and discusses biases, errors, and limitations with logical analysis.	Demonstrates outstanding understanding of real-world application & data reliability with thorough explanations, correct reasoning, and precise use of mathematical terminology and techniques. Provides an insightful real-world application. Comprehensive evaluation of reliability, biases, and errors, demonstrating strong mathematical understanding and critical thinking.
Teacher comment: **Results: /23**					