

WORKSHEET 1: Understanding Levels of Measurement

Part A: Identify the Level

Directions: For each variable, identify the **level of measurement**. Write **Nominal (N)**, **Ordinal (O)**, **Interval (I)**, or **Ratio (R)**.

1. Gender
 2. Class rank (1st, 2nd, 3rd)
 3. Temperature in °C
 4. Favorite ice cream flavor
 5. Weight
 6. Calendar year of birth
 7. Satisfaction level (Happy, Neutral, Sad)
 8. Height
 9. Religion
 10. Salary
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Part B: Explain Your Answer

Directions: Answer briefly.

11. Why is temperature considered interval data?
12. Why is weight classified as ratio data?
13. Why can we not calculate meaningful ratios for ordinal data?