

# **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?