

Name _____

Period _____

Date _____

During an experiment, students placed three thermometers near a strong worklight. Each thermometer was at a different angle from the light so that they would absorb light at different angles. Thermometer A directly faced the light, thermometer B was slightly angled away from the light, and thermometer C was flat on the table so that the light was parallel to it. The students recorded the temperatures every minute for ten minutes. One student recorded the following three sets of temperature data.

1. 21 22 23 24 25 27 29 31 34 35 38
2. 21 21 22 22 23 24 26 28 29 31 33
3. 21 21 21 22 22 23 23 23 24 24 25

2. Which set of data corresponds to each thermometer? What makes you think so?

3. What is a disadvantage of recording data the way they are displayed above? What would you do differently?

4. Use the space below to make a data table that better expresses the results of this investigation. Don't forget to add a number and a title to the top of the table.

Challenge When making a data table, why might "time" often be placed in the left-most column?
