Learning Target: <mark>Generate scientific questions based on observations, labs, and research</mark>

Directions: Read the scenario below to decide what scientific question was being tested.

Chris wanted to take Jackson to a Tigers baseball game, but he wanted to make sure Jackson would be excited and "into" the game. He purchased tickets to four night games against the same team. Twice the seats were located in the lower bowl, 1st row in. Twice the seats were located in the upper bowl, 25th row back. Throughout each of the four games, Chris tallied the amount of Jackson's facial expressions and responses that were happy/excited. See the data table below for results.

Number of Positive Responses Given During a Tigers Game

Location	Game 1 or 2	Game 3 or 4
Row 1 lower bowl	57	68
Row 25 upper bowl	39	45

Question that is being tested _____

_____

_____

This experiment is faulty because there is more than one variable (factor) that has changed. Think about the scenario…in addition to the location, what other factors changed and could therefore affect your outcome?

1. _____

_____

2. _____

_____

Directions: After reading the data table below, <u>generate a question that the scientist could be trying to answer</u>.

TRAVEL TIME TO MRS. THELEN'S FROM VARIOUS LOCATIONS

Location	Round 1	Round 2	Round 3	Round 4
gym	2 min 31 sec	2 min 23 sec	2 min 39 sec	2 min 28 sec
cafeteria	2 min 15 sec	2 min 24 sec	2 min 30 sec	2 min 28 sec
lockers	3 min 43 sec	3 min 30 sec	3 min 18 sec	3 min 19 sec

QUESTION GENERATED: _____

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