

Two sample key

UNK Stats

2025-11-10

NOTE: Don't forget to write down your t -values, df , and p values in your answer. Your full sentence conclusion should relate back to the original hypothesis.

This is a minimal document to guide you; data other than p have been omitted to not bias you on your approaches.

Question 1

The test is significant ($p = 0.001$).

Question 2

The test is not significant ($p = 0.20$).

Question 3

The test is not significant ($p = 0.06$).

Question 4

The test is significant ($p < 0.0001$).

Question 5: Bacteria counts

The test is not significant ($p = 0.15$).

Question 6: Flint, Michigan

The groups are significantly different ($p = 0.007$).

No, there is only 8.7% (0.09) of households with bad lead in this sample.