

Grade 5 Reading Comprehension Standard Worksheet Set 008

Grade 5 · Reading Comprehension · Standard

Name: _____ Date: _____

Read the passage carefully. Then answer all 8 questions using details from the text.

Comparing Solar Oven Designs

During late spring, Bianca joined a study at the school engineering lab to compare two solar oven designs.

The team marked 9 samples with dates and locations so later comparisons would use the same evidence.

Researchers collected observations with temperature sensors and identical food samples and wrote the measurement conditions beside every result.

Before drawing a conclusion, the group checked unusual values and repeated one observation with a second reader.

The combined evidence showed that the oven with a double reflector heated more evenly.

Because one comparison alone could not explain every difference, the team recorded a limitation in its report.

After discussing that limitation, Bianca recommended that the group repeat the trial on a partly cloudy day.

The final report linked each claim to its source data so another team could evaluate the reasoning.

Questions

Return to the passage and write a short, text-based answer for each item.

1. In "Comparing Solar Oven Designs", where did Bianca join the study?

2. In "Comparing Solar Oven Designs", what was the study designed to do?

3. In "Comparing Solar Oven Designs", how many samples did the team mark?

4. In "Comparing Solar Oven Designs", which tools or records supported the observations?

5. In "Comparing Solar Oven Designs", how did the group check an unusual value?

6. In "Comparing Solar Oven Designs", what did the combined evidence show?

7. In "Comparing Solar Oven Designs", what action did Bianca recommend?

8. In "Comparing Solar Oven Designs", why did the report link each claim to source data?

Answer Key

Each answer below is supported by a sentence in the passage.

1. school engineering lab	2. compare two solar oven designs
3. 9	4. temperature sensors and identical food samples
5. repeated one observation with a second reader	6. the oven with a double reflector heated more evenly
7. repeat the trial on a partly cloudy day	8. so another team could evaluate the reasoning