

Grade 4 Reading Comprehension Challenge

Worksheet Set 012

Grade 4 · Reading Comprehension · Challenge

Name: _____ Date: _____

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

Measuring Shadows for a Sundial

On Tuesday, Zara joined a project at the school courtyard to mark a sundial.

The team labeled 12 observation points so every result could be traced to its source.

They used a meterstick and compass and recorded the units beside each measurement.

Two students checked every entry before the group compared the results.

Their first comparison showed that shadow direction changed each hour.

The group kept an unexpected result in the table and repeated that measurement instead of discarding it.

Based on the evidence, Zara proposed that the team check the marks on another sunny day.

The team saved its method, dates, and raw observations so another group could repeat the investigation.

Questions

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

1. In "Measuring Shadows for a Sundial", where did Zara work on the project?

2. In "Measuring Shadows for a Sundial", what was the project's goal?

3. In "Measuring Shadows for a Sundial", how many observation points were labeled?

4. In "Measuring Shadows for a Sundial", which tool did the team use?

5. In "Measuring Shadows for a Sundial", how did the students reduce recording errors?

6. In "Measuring Shadows for a Sundial", what did the first comparison show?

7. In "Measuring Shadows for a Sundial", what next step did Zara propose?

8. In "Measuring Shadows for a Sundial", why did the team save its method and raw observations?

Answer Key

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

1. school courtyard	2. mark a sundial
3. 12	4. a meterstick and compass
5. two students checked every entry	6. shadow direction changed each hour
7. check the marks on another sunny day	8. so another group could repeat the investigation