

Grade 5 Reading Comprehension Standard Worksheet Set 038

Grade 5 · Reading Comprehension · Standard

Name: _____ Date: _____

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

Building a More Stable Tower

During late spring, Finn joined a study at the architecture studio to improve a model tower's stability.

The team marked 12 samples with dates and locations so later comparisons would use the same evidence.

Researchers collected observations with a shake table and mass blocks 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 a wider base reduced swaying more than extra height.

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

After discussing that limitation, Finn recommended that the group test cross-bracing with the same total mass.

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 "Building a More Stable Tower", where did Finn join the study?

2. In "Building a More Stable Tower", what was the study designed to do?

3. In "Building a More Stable Tower", how many samples did the team mark?

4. In "Building a More Stable Tower", which tools or records supported the observations?

5. In "Building a More Stable Tower", how did the group check an unusual value?

6. In "Building a More Stable Tower", what did the combined evidence show?

7. In "Building a More Stable Tower", what action did Finn recommend?

8. In "Building a More Stable Tower", why did the report link each claim to source data?

Answer Key

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

1. architecture studio	2. improve a model tower's stability
3. 12	4. a shake table and mass blocks
5. repeated one observation with a second reader	6. a wider base reduced swaying more than extra height
7. test cross-bracing with the same total mass	8. so another team could evaluate the reasoning