Build and Test a Design

Grade 1 Science Worksheet

Name _____ Date _____

Circle the answer, or write the answer on the line.

1. Which material is best for a kite?



light paper heavy wood thick metal

2. Sam's boat sank. What should he do?



Use a heavier material.

Add more weight to it.

Try a material that floats.

3. Why do we test a design?

to see if it works to make it heavier to make it taller

4. A bridge must hold 4 blocks. Which sentence is the goal?



Be the tallest bridge. Use strong paper. Hold 4 blocks.

5. Which is the right order?

plan, build, test, fix build, plan, fix, test test, fix, plan, build

6. The bridge goal is 4 blocks. It held 2. What does the test show?

The bridge needs less weight.

The goal was met.

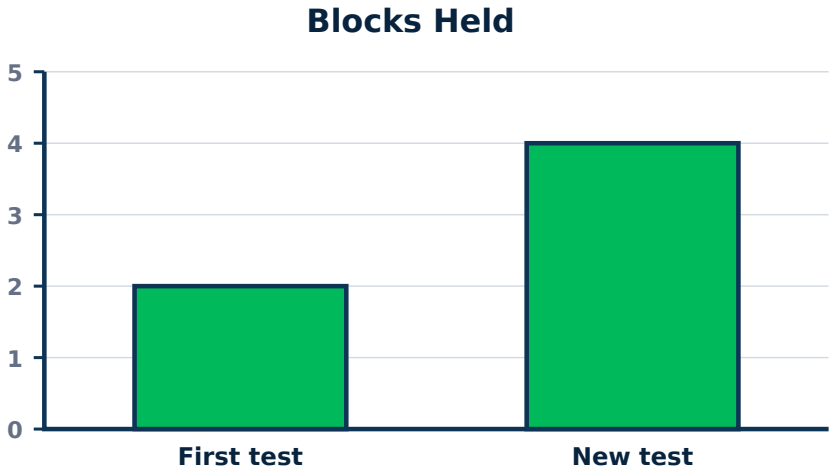
The design needs to be fixed.

7. A paper bridge bends in the middle. Which change should you make?

Take every support away.

Paint the top blue.

Add support under the middle.



8. What does the graph show?

The new design held more.

Both designs held the same.

The first design held more.

9. How many more blocks did the new bridge hold than the first one?

_____

10. A tower of cups falls over. Which change helps?



Make it taller. Add more cups on top. Use a wider bottom.

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Answer Key - Grade 1 Science Worksheet

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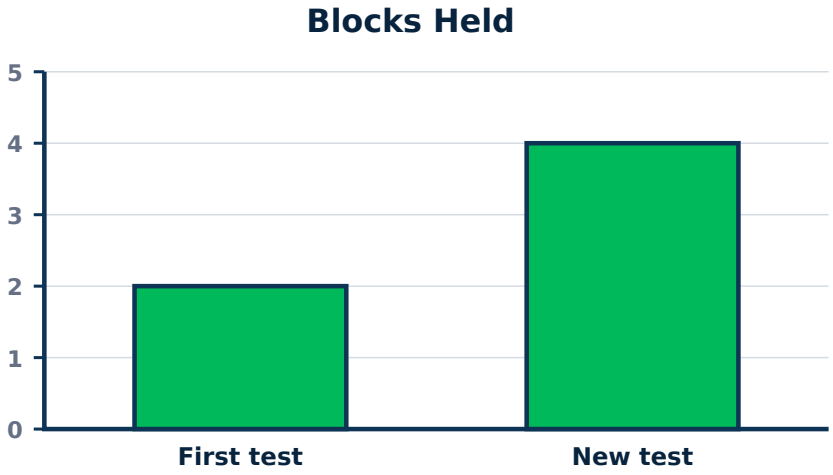
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The first design held more.

9. How many more blocks did the new bridge hold than the first one?

2

10. A tower of cups falls over. Which change helps?



Make it taller.

Add more cups on top.

Use a wider bottom.