Build and Test a Design

Grade 1 Science Worksheet

Name _____ Date _____

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

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

   The goal was met.

   The design needs to be fixed.

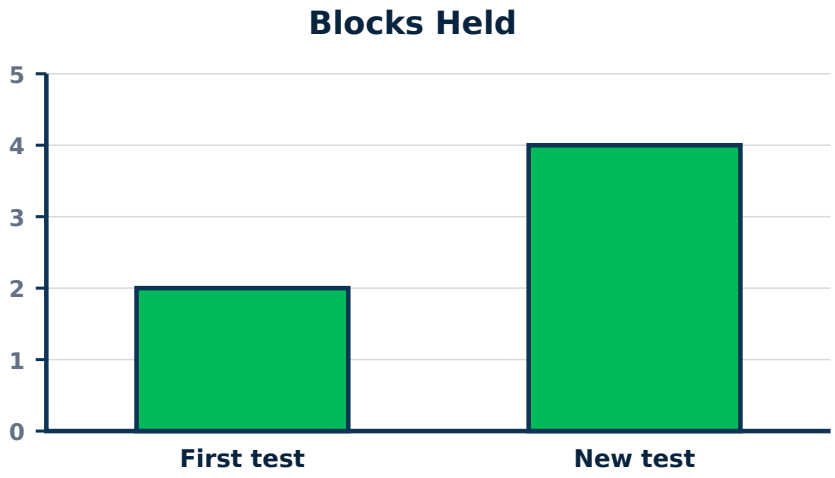
   The bridge needs less weight.

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

   Paint the top blue.

   Take every support away.

   Add support under the middle.



3. What does the graph show?

   The first design held more.

   Both designs held the same.

   The new design held more.

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

   _____

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



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

6. What should stay the same when you test again?

the support you add the goal how many blocks it held

7. Which material is best for a kite?



heavy wood light paper thick metal

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



Try a material that floats.

Use a heavier material.

Add more weight to it.

9. Why do we test a design?

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

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



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

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Answer Key - Grade 1 Science Worksheet

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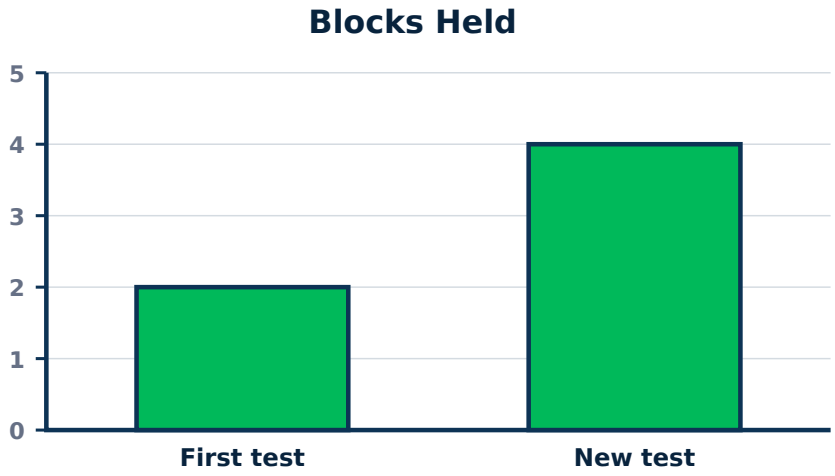
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4. How many more blocks did the new bridge hold than the first one?

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



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