Build and Test a Design

Grade 1 Science Worksheet

Name _____ Date _____

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

1. Why do we test a design?

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

2. A bridge must hold 5 blocks. Which sentence is the goal?



   Use strong paper. Hold 5 blocks. Be the tallest bridge.

3. Which is the right order?

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

4. The bridge goal is 5 blocks. It held 4. What does the test show?

   The design needs to be fixed.

   The bridge needs less weight.

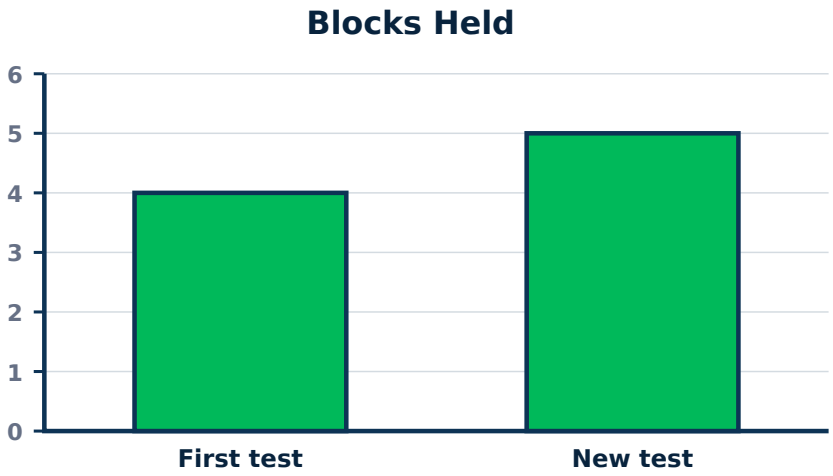
   The goal was met.

5. 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.



6. What does the graph show?

The first design held more.

The new design held more.

Both designs held the same.

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

_____

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



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

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

the goal the support you add how many blocks it held

10. Which material is best for a kite?



thick metal light paper heavy wood

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Answer Key - Grade 1 Science Worksheet

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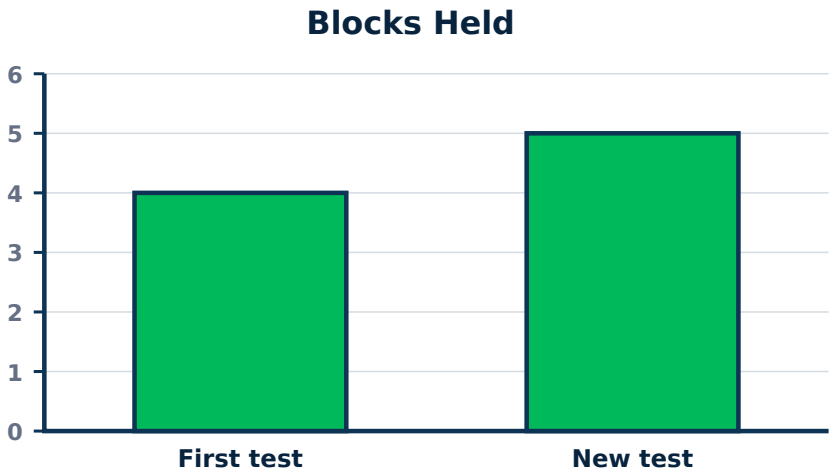
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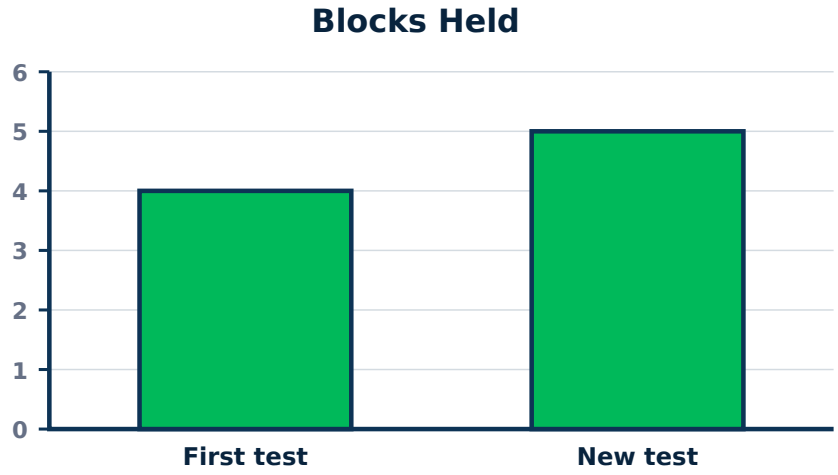
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