Build and Test a Design

Grade 1 Science Worksheet

Name _____ Date _____

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

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

   the goal how many blocks it held the support you add

2. Which material is best for a kite?



   thick metal light paper heavy wood

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



   Add more weight to it.

   Try a material that floats.

   Use a heavier material.

4. Why do we test a design?

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

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



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

6. Which is the right order?

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

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

   The goal was met.

   The design needs to be fixed.

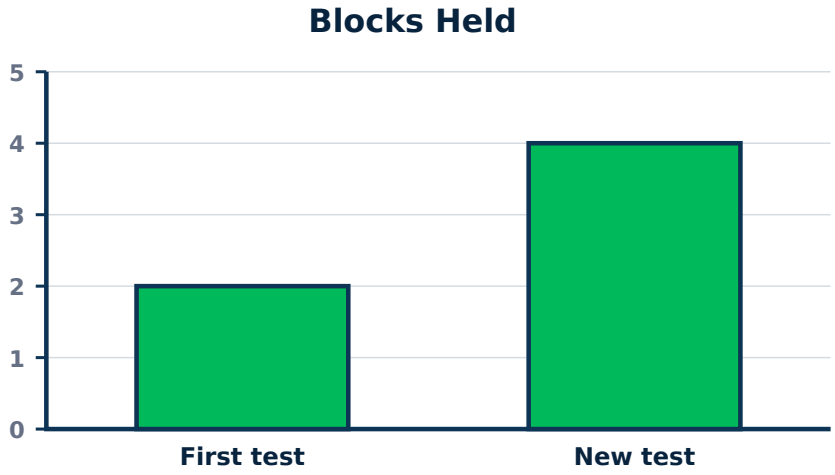
   The bridge needs less weight.

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

Paint the top blue.

Add support under the middle.

Take every support away.



9. What does the graph show?

The first design held more.

Both designs held the same.

The new design held more.

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

_____

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Answer Key - Grade 1 Science Worksheet

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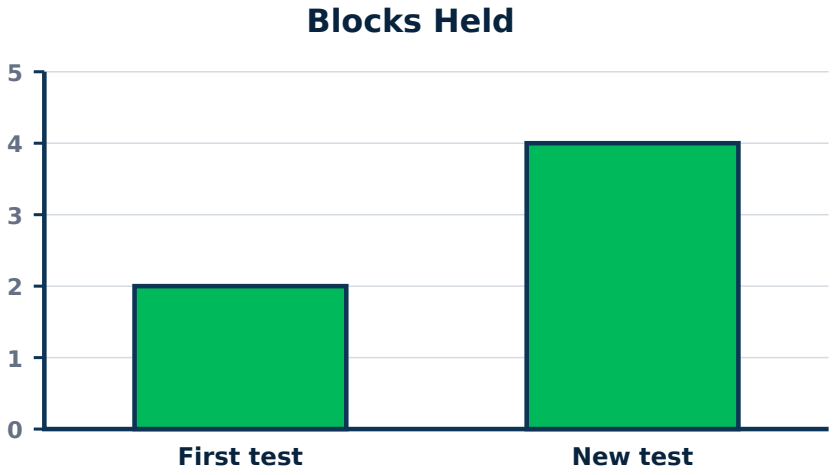
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