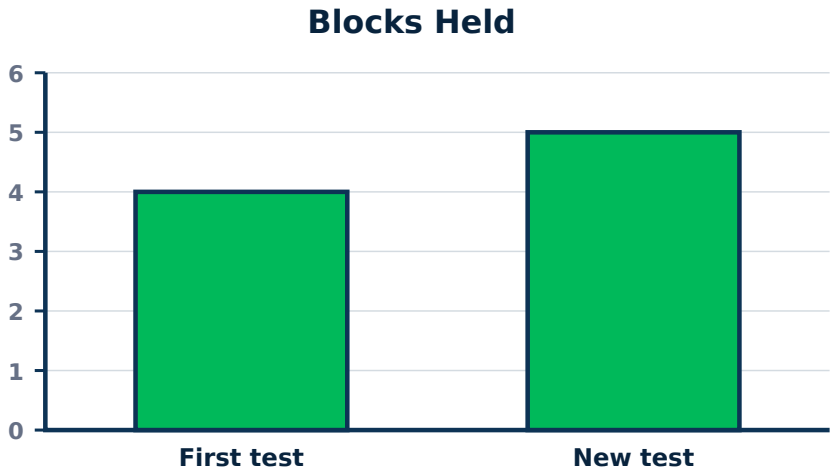
Build and Test a Design

Grade 1 Science Worksheet

Name _____ Date _____

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

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



_____

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



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

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

how many blocks it held the goal the support you add

4. Which material is best for a kite?



heavy wood light paper thick metal

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



Try a material that floats.

Add more weight to it.

Use a heavier material.

6. Why do we test a design?

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

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



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

8. Which is the right order?

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

9. 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.

10. 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.

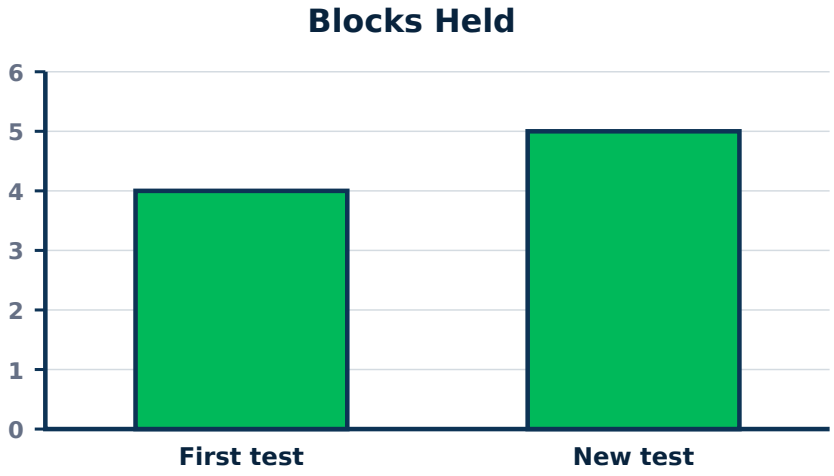
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Answer Key - Grade 1 Science Worksheet

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