Build and Test a Design

Grade 1 Science Worksheet - Building Confidence

PencilGo

Name _____ Date _____

Circle the answer.

1. Which step comes after you build?

   Paint it. Test it. Find the problem.

2. A paper bridge bends in the middle. What can help?

   Paint the top. Add a support under it. Change the color.

3. Which is best for a strong tower?

   blocks tissue paper cotton balls

4. Which is best for a boat that floats?



   a plastic cup a rock a key

5. After a test, what should you do?

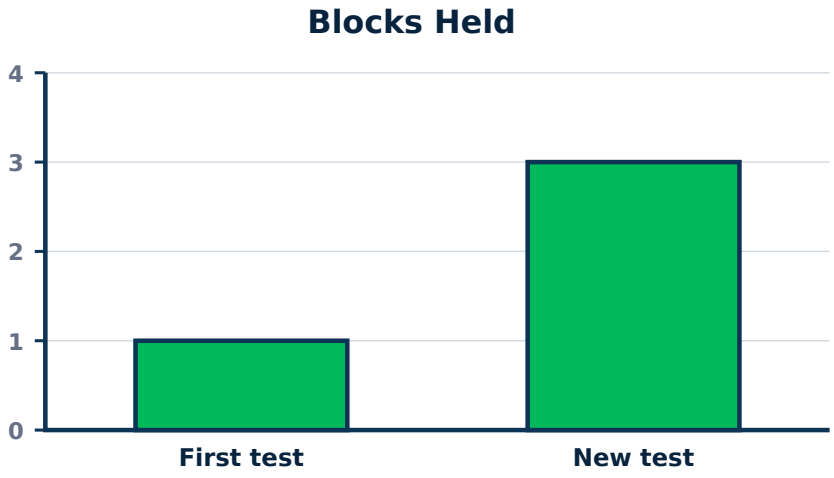
   Look at the result. Change the goal. Build a new model.

6. A tower of cups falls over. What can help?



   Make the bottom wider. Put a cup on top. Make it taller.

7. Look at the bars. Which test held more blocks?



   Both held the same. First test New test

8. A bridge must hold 3 blocks. What is the goal?



Use red paper. Hold 3 blocks. Be very tall.

9. The bridge held 1 block. The goal was 3 blocks. Did it work?

No. It must hold more. Yes. It held 1. Yes. It met the goal.

10. Which step comes first?

Test it. Find the problem. Make it better.

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Print it · do it in pencil · scan it · PencilGo picks the next sheet.

Build and Test a Design

Answer Key - Grade 1 Science Worksheet - Building Confidence

Circle the answer.

1. Which step comes after you build?

   Paint it. **Test it.** Find the problem.

2. A paper bridge bends in the middle. What can help?

   Paint the top. **Add a support under it.** Change the color.

3. Which is best for a strong tower?

   blocks tissue paper cotton balls

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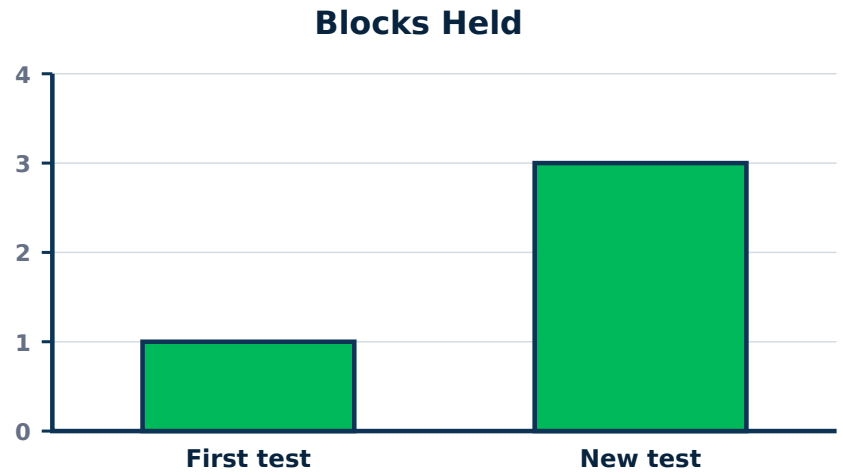
   Look at the result. Change the goal. Build a new model.

6. A tower of cups falls over. What can help?



   Make the bottom wider. Put a cup on top. Make it taller.

7. Look at the bars. Which test held more blocks?



Both held the same. First test (New test)

8. A bridge must hold 3 blocks. What is the goal?



Use red paper. (Hold 3 blocks.) Be very tall.

9. The bridge held 1 block. The goal was 3 blocks. Did it work?

(No. It must hold more.) Yes. It held 1. Yes. It met the goal.

10. Which step comes first?

Test it. (Find the problem.) Make it better.