Build and Test a Design

Grade 1 Science Worksheet - Challenge Me

Name _____ Date _____

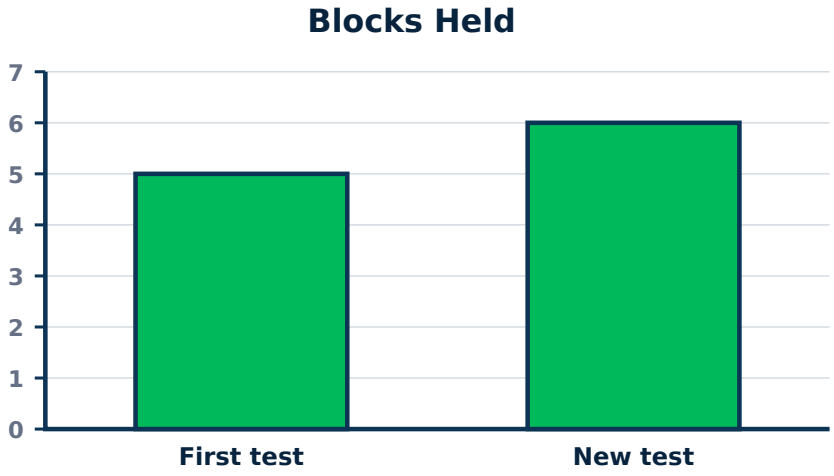
Circle the answer, or write the answer on the line.

1. The goal is 6 blocks. The bridge held 5. How many more blocks must it hold?



_____

2. Look at the bars. How many blocks did the new design hold?



_____

3. Test 1 held 3 blocks. Test 2 held 5. Test 3 held 5. What does this show?

The design got better, then stayed the same.

The design got better each time.

The design got worse each time.

The design never changed.

4. A student changes the base, the material and the height all at once. What is the problem?

She will not know which change helped.

Nothing is wrong.

The tower will be taller.

The test will be quicker.

5. A kite does not fly. What is the best next step?



Change one thing and test again.

Say it works.

Test it again with no changes.

Throw it away.

6. The goal is to hold 6 blocks. Which result means the design worked?

It fell at once. It held 7 blocks. It held 5 blocks. It held 4 blocks.

7. Which is a fair test for two paper bridges?

Use a different table each time.

Test only one bridge.

Put more blocks on one.

Put the same blocks on each.

8. A bridge holds weight but bends. Which change keeps what works?

Start over with all new parts.

Change the goal.

Remove the wide base.

Add a support and keep the wide base.

9. Mia's goal is 4 blocks. Tom's goal is 6 blocks. Both bridges held 5. Who met the goal?

Mia Both Neither Tom

10. Why draw a plan before you build?

to skip testing to decide what to build to use more glue to hide mistakes

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Build and Test a Design

Answer Key - Grade 1 Science Worksheet - Challenge Me

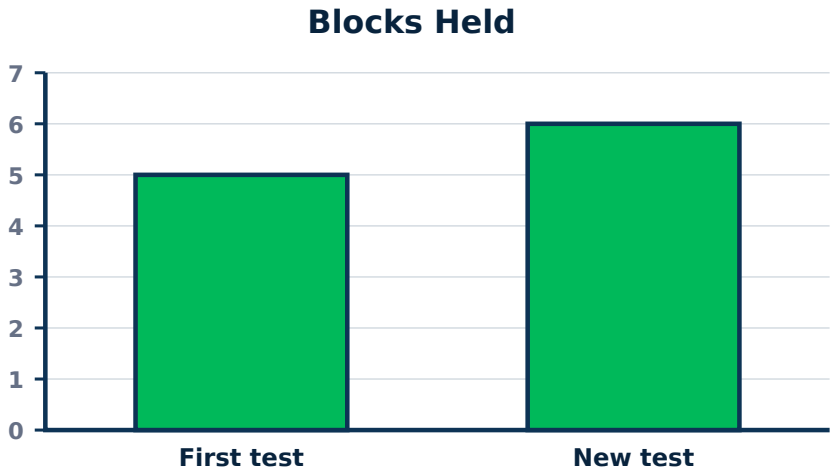
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1

2. Look at the bars. How many blocks did the new design hold?



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