Design and Test a Solution

Grade 4 Science Worksheet - Building Confidence

Name _____ Date _____

Circle the answer.

1. A phone stand must hold a phone at an angle and fit in a pocket. Which design idea meets both criteria?

   a small folding card stand a heavy wooden block stand a tall stack of books

2. A team tests a paper cup phone. They cannot hear each other when the string is loose. What should they change?

   use a longer loose string use smaller cups only pull the string tight

3. Which is a constraint for building a pencil holder?

   it holds 10 pencils

   it stands up on a desk

   use only one paper towel tube

4. A class must build a bird feeder. They can spend only $5. What is the $5 limit?

   a constraint on cost a criterion for success a test result

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Answer Key - Grade 4 Science Worksheet - Building Confidence

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