Engineering Design

Grade 2 Science Worksheet - Building Confidence

Name _____ Date _____

Circle the answer.

1. Which one is a problem an engineer could solve?

   A paper tower falls over when a fan blows.

   The paper tower is white and very tall.

   The tower is tall and thin and light.

2. The class must fix this: "A paper tower falls over when a fan blows." What must the new design do?

   use as much tape as it can hold

   stand up in the wind

   be the tallest tower in the class

3. A team builds a bridge from two sheets of paper. It must hold eight blocks. Bridge A held five blocks and sagged. What should the team try next?

   make the bridge much longer than before

   add more blocks on top of the bridge

   fold the paper into stronger beams

4. The goal is to stop within 5 cm of the line. Mat A stopped 9 cm away. Mat B stopped 12 cm away. Which mat met the goal?

   Both of the mats Mat B Neither mat

5. Why do engineers change a design after a test?

   to make the goal harder to reach

   to use fewer ideas than before

   to fix what did not work

6. Which one is a problem an engineer could solve?

   The seeds are brown and very small.

   Seed cups dry out over the weekend.

   The cups are small and made of paper.

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Answer Key - Grade 2 Science Worksheet - Building Confidence

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