Engineering Design

Grade 2 Science Worksheet - Building Confidence

Name _____ Date _____

Circle the answer.

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

   The bridge is on a table in the room.

   The blocks are red and shaped like cubes.

   A paper bridge sags under blocks.

2. The class must fix this: "Seed cups dry out over the weekend." What must the new design do?

   keep the soil damp for two days

   water the seeds three times a day

   make the cups look nicer to everyone

3. A toy car rolls down a ramp onto a mat. The team wants it to stop near the line. The car stopped 20 cm past the line. What should the team try next?

   use a rougher mat at the end of the ramp

   make the ramp steeper at the top

   use a much smoother mat at the end of it

4. The goal is to keep 10 cards on the table. Clip A kept 10 cards. Clip B kept 10 cards. Which clip met the goal?

   Both clips Clip B only Neither clip

5. Why do engineers test a design?

   to make it look nicer for everyone

   to see if it solves the problem

   to avoid fixing the problem later

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

   The seed cups are on a shelf by the window.

   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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