Design and Test a Solution

Grade 4 Science Worksheet - Building Confidence

Name _____ Date _____

Circle the answer.

1. Materials: 2 paper plates, 4 craft sticks, glue. Task: a stand that holds a tablet upright. Test: the tablet slides off. What is the best next step?

   test with a smaller tablet only

   add a ledge at the bottom to stop the sliding

   use more glue on the plates' faces

2. A team has 30 minutes, 8 index cards and tape to build a bridge that spans 20 cm. Which is a criterion?

   the team uses 8 index cards

   the team has 30 minutes

   the bridge spans 20 cm

3. Problem: water drips from a classroom sink onto the floor. Which is the best problem statement?

   design a way to catch drips so the floor stays dry

   move the whole class to a bigger room

   make the sink and floor a new color

4. A paper airplane must fly 5 meters. It flies 3 meters. Did it meet the criterion?

   yes, it went 2 meters too far

   no, it fell short by 2 meters

   yes, because it flew

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Answer Key - Grade 4 Science Worksheet - Building Confidence

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