Engineering Design

Grade 2 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. Clip A kept 5 cards on the table. Clip B kept 9. The goal is 12. What should the team do next?

   improve Clip B, the one that kept more

   change the goal to 5 cards

   stop because Clip B is done

2. The rule is to use only one sheet of paper. Which design breaks the rule?

   a bridge made from two sheets

   a bridge made from one folded sheet

   a bridge made from one rolled sheet

3. A class compares two shelf designs. What should be the same for both?

   the name of the builder

   the number and weight of the books

   the shelf design

4. Which question helps the team understand the problem "a toy car rolls too far"?

   How many wheels does the table have?

   How steep is the ramp?

   What is the car's name?

5. Mat A stopped the car 15 cm from the line. Mat B stopped it 6 cm away. How many cm closer was Mat B?

   21 10 9

6. Mat A stopped the car 8 cm past the line. Mat B stopped it 3 cm past. The goal is to stop at the line. What next?

   choose Mat A

   improve Mat B, the one that stopped closer

   stop because Mat B is done

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Answer Key - Grade 2 Science Worksheet - Challenge Me

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