Engineering Design

Grade 2 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. 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?

   move the line

   improve Mat B, the one that stopped closer

   stop because Mat B is done

2. The rule is to not touch the car after it is let go. Which plan breaks the rule?

   putting a mat at the end of the ramp

   stopping the car with a hand

   making the ramp lower

3. A class compares two clips in the wind. What should be the same for both?

   the name of the builder the wind from the same fan the clip design

4. Which question helps the team understand the problem "lunch cards blow away"?

   How many cards are in the box?

   What color are the cards?

   How strong is the wind outside?

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?

   10 21 9

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

   stop because Clip B is done

   change the goal to 5 cards

   improve Clip B, the one that kept more

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Answer Key - Grade 2 Science Worksheet - Challenge Me

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