Compare Engineering Solutions

Grade 4 Science Worksheet - Building Confidence

Name _____ Date _____

Circle the answer.

1. Two kites both meet the flight goal. Kite A takes 20 minutes to build; Kite B takes 60 minutes. The class has 30 minutes. Which should they build?

   Kite A Kite B both kites

2. What is a tradeoff?

   giving up some of one thing to get more of another

   making two designs exactly the same

   picking the first design you build

3. Car A rolled 6 m on smooth floor and 2 m on carpet. Car B rolled 4 m on both. The race is on carpet. Which car is better for the race?

   they are equally good Car A Car B

4. Kite A is pretty but does not fly. Kite B is plain and flies well. The goal is a kite that flies. Which meets the goal?

   both kites Kite B Kite A

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Answer Key - Grade 4 Science Worksheet - Building Confidence

Circle the answer.

1. Two kites both meet the flight goal. Kite A takes 20 minutes to build; Kite B takes 60 minutes. The class has 30 minutes. Which should they build?

   (Kite A) Kite B both kites

2. What is a tradeoff?

   (giving up some of one thing to get more of another)

   making two designs exactly the same

   picking the first design you build

3. Car A rolled 6 m on smooth floor and 2 m on carpet. Car B rolled 4 m on both. The race is on carpet. Which car is better for the race?

   they are equally good Car A (Car B)

4. Kite A is pretty but does not fly. Kite B is plain and flies well. The goal is a kite that flies. Which meets the goal?

   both kites (Kite B) Kite A