Engineering Design

Grade 2 Science Worksheet

Name _____ Date _____

Circle the answer.

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

   Rain washes soil off a garden slope.

   Rain makes the grass wet and green.

   The slope has a garden on one side.

2. The goal is to hold 8 books. Design A held 5 books. Design B held 9 books. Which design met the goal?

   Neither design Both designs Design B

3. A team wants to keep lunch cards on an outdoor table when the wind blows. The wind blew the cards off the table. What should the team try next?

   move the table out into the windy yard

   stand the cards up on the table

   put a heavy clip or weight on the cards

4. Which shows the steps engineers follow, in order?

   ask questions → draw a plan → build a model → test the model

   ask questions → build a model → draw a plan → test the model

   test the model → build a model → draw a plan → ask questions

5. The goal is to keep the cards on the table in wind. The wind blew the cards off the table. Did the design meet the goal?

   No, it needs to be improved.

   Yes, it met the goal.

   Yes, because it was built carefully.

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

   The shelf is in the corner of the room by the door.

   The shelf is brown and sits near the window.

   A cardboard shelf sags when books are put on it.

Scan to get this marked free. No screen time for your child.
Print it · do it in pencil · scan it · PencilGo picks the next sheet.

Engineering Design

Answer Key - Grade 2 Science Worksheet

Circle the answer.

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

   Rain washes soil off a garden slope.

   Rain makes the grass wet and green.

   The slope has a garden on one side.

2. The goal is to hold 8 books. Design A held 5 books. Design B held 9 books. Which design met the goal?

   Neither design Both designs Design B

3. A team wants to keep lunch cards on an outdoor table when the wind blows. The wind blew the cards off the table. What should the team try next?

   move the table out into the windy yard

   stand the cards up on the table

   put a heavy clip or weight on the cards

4. Which shows the steps engineers follow, in order?

   ask questions → draw a plan → build a model → test the model

   ask questions → build a model → draw a plan → test the model

   test the model → build a model → draw a plan → ask questions

5. The goal is to keep the cards on the table in wind. The wind blew the cards off the table. Did the design meet the goal?

   No, it needs to be improved.

   Yes, it met the goal.

   Yes, because it was built carefully.

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

   The shelf is in the corner of the room by the door.

   The shelf is brown and sits near the window.

   A cardboard shelf sags when books are put on it.