Engineering Design

Grade 2 Science Worksheet

PencilGo

Name _____ Date _____

Circle the answer.

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

   The ramp is on the floor next to the wall.

   A toy car rolls too far past the stop line.

   The stop line is made of blue tape on the floor.

2. The goal is to stop within 5 cm of the line. Mat A stopped 9 cm away. Mat B stopped 12 cm away. Which mat met the goal?

   Mat A Neither mat Mat B

3. A team builds a paper tower. It must stand up when a fan blows. The tower fell after three seconds of wind. What should the team try next?

   tape a wider base to the bottom

   make the tower taller and thinner

   use much less tape on the tower

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

   find the problem → plan a design → build it → test it

   find the problem → build it → plan a design → test it

   plan a design → find the problem → build it → test it

5. The goal is to stand up in the wind. The tower fell after three seconds of wind. Did the design meet the goal?

   Yes, because it looks good.

   No, it needs to be improved.

   Yes, because it was built carefully.

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

   The shelf is brown and sits near the window.

   The books have blue covers and shiny red pages.

   A cardboard shelf sags when books are put on it.

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Answer Key - Grade 2 Science Worksheet

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