A Paper Turkey Design Challenge

Print on US Letter paper at 100% or Actual Size.

Maya built a pretend turkey catcher from a cardboard box. She wanted the paper turkey to step onto a flap, but the flap bent before it could move the door. Her friend Luis suggested a shorter flap. Maya drew both designs before changing anything. Then she taped a small support underneath the shorter piece. They tested the model with a paper turkey, not a real animal. This time the flap stayed level and the door moved gently. Maya wrote down what had changed and which problem still needed work. Luis noticed that the door sometimes caught on the side of the box. They decided that their next test would compare two door widths.

1. What problem did Maya notice first?

2. Name two changes made to the flap.

3. What evidence showed an improvement?

4. What will Maya and Luis compare next?

A Paper Turkey Design Challenge - Answer Key

Sample responses; accept other answers supported by the passage.

1. The flap bent before it could move the door.

2. It was made shorter and a small support was taped underneath.

3. The flap stayed level and the door moved gently.

4. Two door widths.