

## Popper Explanations

### Explanation, Group 1

The grabbers can support 390 grams (g) of mass. We used grabbers that were purple and had a diameter of 4.5 centimeters (cm). Gravity pulls more on objects with more mass. As we increased the mass hanging from the grabbers, the grabbers came off the whiteboard.

### Explanation, Group 2

The most mass that the grabbers can support is 350 g. We know this because we tested the grabber with 300 g, 350 g, and 400 g, and the grabber came off when we tried 400 g but stayed with 350 g and 300 g. Other grabbers from other groups could support 390 g and 400 g. The grabbers came off the whiteboard with masses from 395 g to 405 g. The most mass that the grabbers could support in the groups was 350 g, 390 g, and 400 g. We chose the smallest of these because every grabber is a little different.

### Explanation, Group 3

The most mass the purple grabber held was 390 g. The purple grabber could hold 380 g and 390 g but popped off with 395 g. The most mass the blue grabber held was 350 g. The blue grabber could hold 300 g and 350 g but popped off with 400 g. The most mass the green grabber held was 400 g. The green grabber could hold 375 g and 400 g but popped off with 405 g.