

The Boomerang Coaster #1

This page considers the drop from rest...

1. What is the vertical drop?
2. What should your velocity be at the base of the drop?
3. What is your velocity at the base of the drop?
4. How long did it take you to travel the drop?
5. From #2, what should your acceleration be?
6. From #3, what is your acceleration?
7. How much acceleration is robbed from the system during the drop?
8. What is the coefficient of friction during the drop?