







Prediction

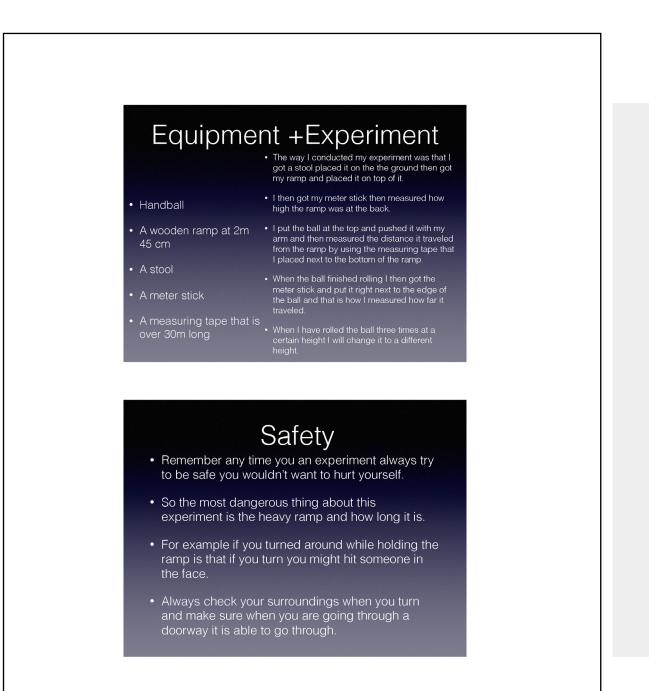
• Before I conducted my experiment I had already made some assumptions about what was going to happen.My prediction is that the higher the ramp is the further the ball would roll and I also thought that since I was using a measuring tape that my measurements would always be clear.

Hypothesis

- The reason I thought the ball would go faster the higher the ramp was because if you rolled a ball down a hill it would go faster than rolling the same ball with the same force on the ground.
- The reason I think my measurements will be accurate is the ramp is holding down the tape so as long as the ramp doesn't move the tape will not move.

1. Makes a prediction in relation to distance but justification uses the word faster when further is meant.





2. The height of the ramp at the back and the distance travelled are identified as variables to be changed and measured. Safety is considered and a simple method lacking some detail is described.





Raw data

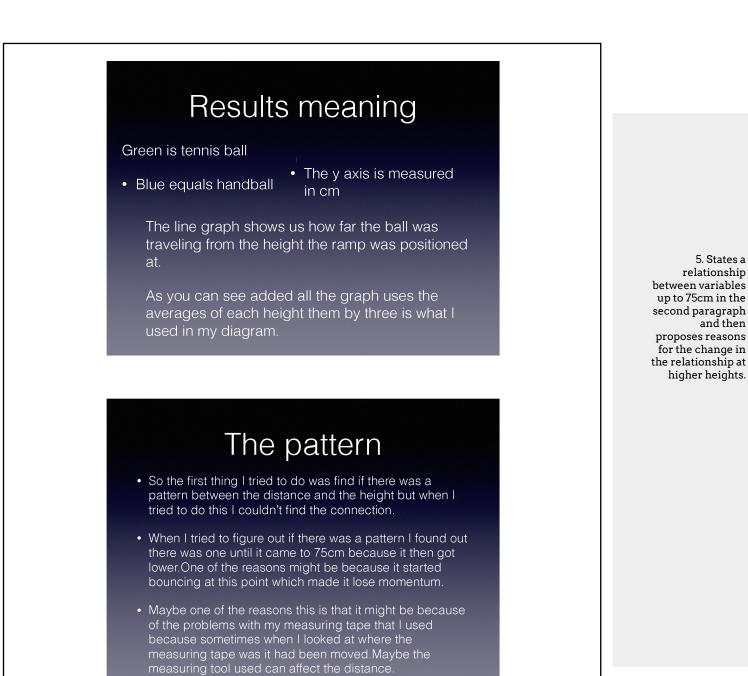
- At 0cm the results were 121.9cm 126cm and 125.1cm the difference between the furthest and the shortest distance is 4.1cm.
- At 25cm the results were 760cm 710cm and 680cm the difference between the furthest and shortest distance is 80cm.
- At 50cm the results were 1440cm 1260cm and 1180cm the difference between the shortest and furthest distance is 260cm.
- At 75cm the results were 2096cm 2160cm and 2081cm the difference between the shortest and furthest distance is 79cm.
- difference between the shortest and furthest distance is 60cm.

3. Raw data is recorded and a calculation is done to identify reliability of results.

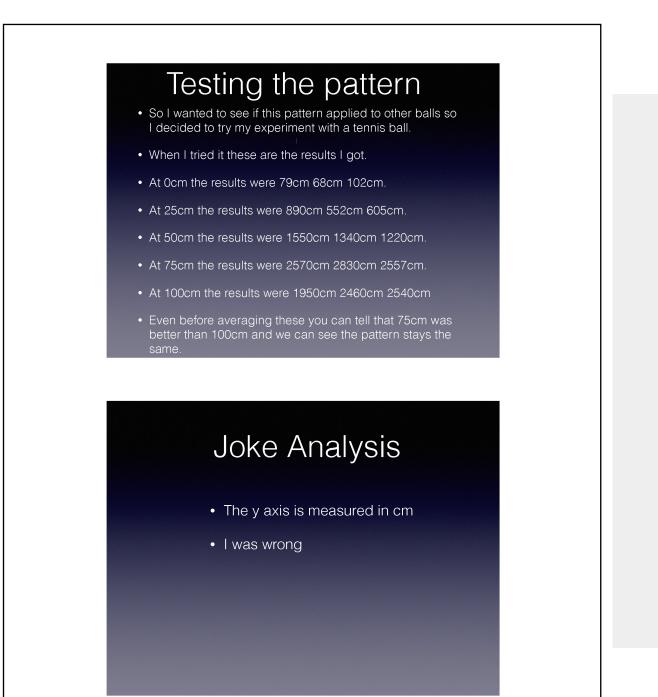






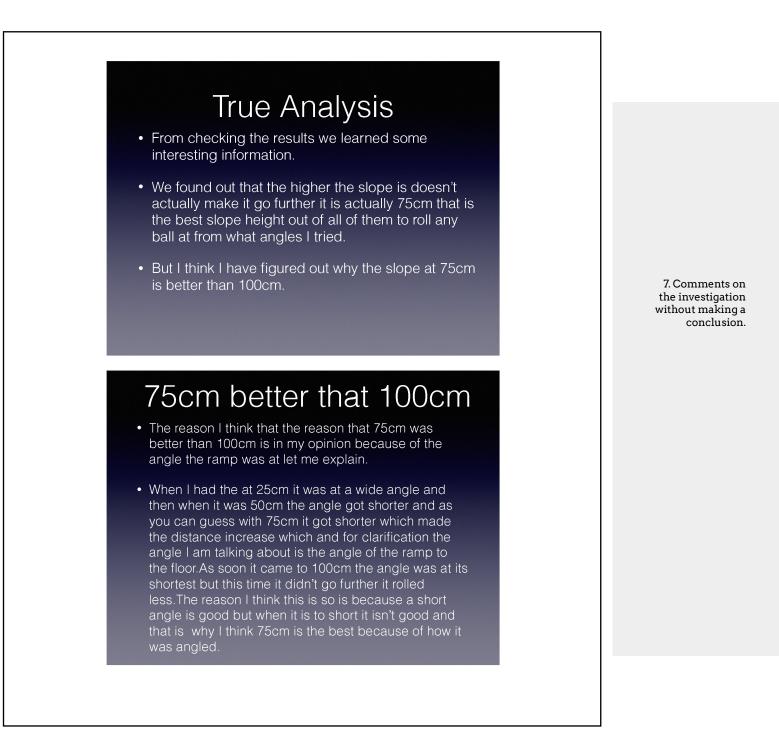




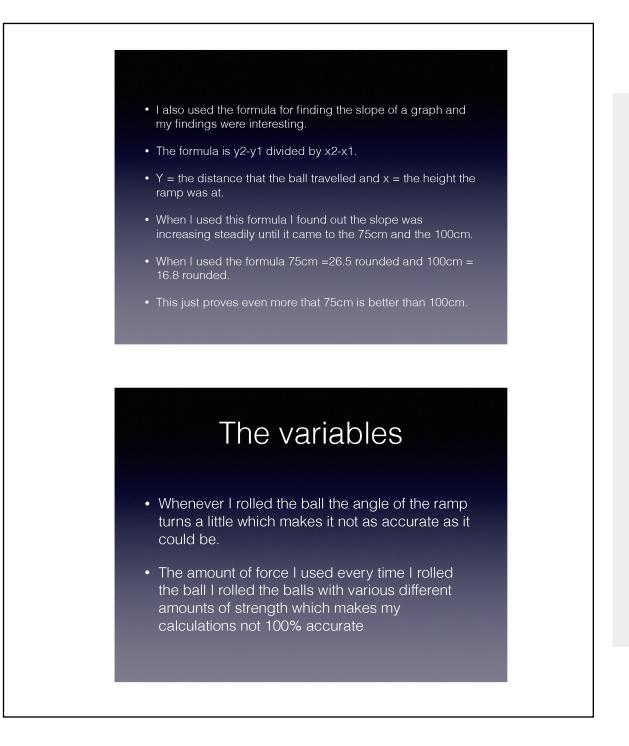


6. Conducts a second experiment to test whether the relationship identified can be repeated.

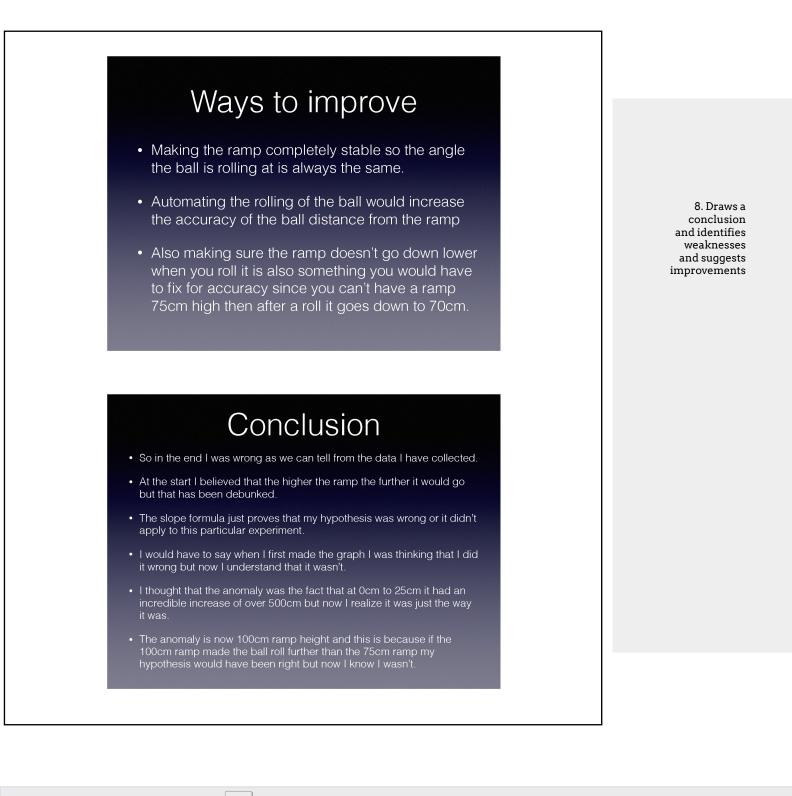












In line with expectations

Overall judgement: 😆