Conclusions

This experiment investigated if a paper Airplane would go further with a paper clip.

It was predicted that Airplane B (with the paperclip) would go further and that hypothesis was accepted. The data shows that Airplane A (without) went 400 cm, while Airplane B went further, travelling 650cm. This happened because Airplane B is more aerodynamic with the paperclip.

The first source of error could have been the airplane hit a locker. This error could be improved by experimenting in an open space. This is important so that the airplane can fly unrestricted.

Another source of error was the thrower throwing the airplane inconsistently. This could be improved by having a machine throw the airplanes. This is important because you want to know they are all being thrown the same way so as not to affect your data

The answer to our original question is that Airplane model B flies further than A.

It was predicted that Diet Coke and Mentos would go the highest and that was accepted. The Diet Coke and Mentos went the highest because they have the strongest reaction due to the aspartame in the DC and the bumpy surface of the mint Mentos.

One error that could have occurred was that the experimenter's hand could have gotten in the way and blocked the explosion. This could be improved by using a plastic funnel and pouring Mentos quickly.

Another error could have been opening the DC too soon. It is important to fix this error because the explosion won't be as high if the bottle has been open too long.

The answer to our original question is that DC and Mint Mentos explode the highest.

QUESTION

HYPOTHESIS (Accept/reject)

HOW – quantitative data:

WHY – qualitative data

ERROR 1

HOW – improve:

WHY:

ERROR 2

HOW – improve:

WHY:

ANSWER QUESTION