Stain Remover

Introduction

In my science fair project, I will be testing what type of stain remover will remove stains best. The problem in this experiment is which will be the best stain remover. My hypothesis is that tide stain remover will remove the stain best. This is important because many people can be messy, or any type of messy food can get on you and leave a nasty stain on your clothes. Another reason is most stain removers say they remove it all when it actually doesn't. The last reason is this can help people so they know which stain remover is better to use.

Statement of the Problem

The problem in this experiment is that stains are kind of hard to clean if you don't get the right cleaning solution for it. I want to do this because I myself am a clumsy person, and my mom has trouble getting stains out so I wanted to help her clean it. This is important because many people are messy and can get their clothes dirty, so this experiment will help with exactly that, and what cleans it best.

Hypothesis

My hypothesis is that Tide stain remover will remove the stain best because I saw that Tide was best at removing stains

Materials

- 12 White pieces of cloth
- Ketchup
- Pomegranate
- Grease
- Tide
- Oxiclean
- Up & Up
- Dawn Dish Soap
- Chromebook
- Logbook

pomegranate

ketchup

Up & Up

Oxi clean

Tide

Dawn dish soap

Variables

- Independent- stain remover
- Dependent- how much stain is removed
- Control- same person, cloth, amount of condiments

Procedures

1. Make sure you have space on a counter or table that is clean
2. Then set out the 12 pieces of white cloth evenly out in 3 and 4 going down.
3. Have Ketchup off to the side
4. Same with some Pomegranate or other fruit
5. Lastly have something greasy nearby
6. Then for cleaning supplies, have Tide, Oxiclean, Up&Up.
7. For four pieces of the cloth put ketchup
8. For another four, put the pomegranate or any other fruit you got, on to the four pieces
9. Lastly, for the last four, put the grease on them.
10. Then let them soak for at least a minute
11. Then start scrubbing with Tide and see how much came off
12. Then do this with the Oxi Clean, Up&Up, and Dawn Dish soap on the cloth with Ketchup
13. Then repeat with the pomegranate/fruit, and grease.

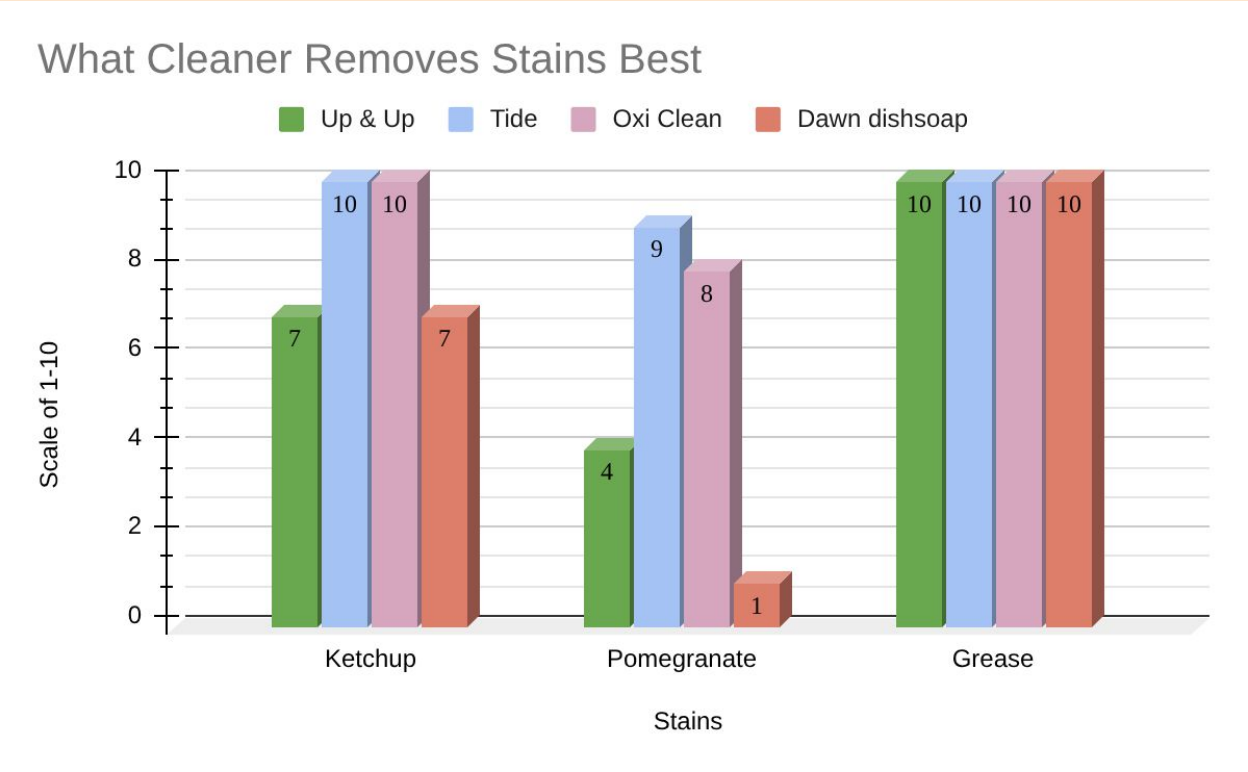
Results and Data

This section presents the results of the experiment, including measurements and observations recorded during each trial. My hypothesis that Tide would be the best to clean was supported. I used a scale from 1-10 ten being the best, one being the worst, to rate the cleanliness of each cloth. For Up&Up, on the ketchup I put 7 because it did good but you can still see it, on pomegranate juice it did a 4 which was pretty bad but still kind of okay. Tide did amazing, it got a 10 on ketchup, 9 on pomegranate juice, it cleaned a lot of it, but not it all, and a 10 on grease. Oxi Clean also did a good job, but you can still see some pomegranate stains but not a lot, the grease was gone. Dawn dish soap cleaned the ketchup okay, not all though, it did poorly on the pomegranate and only turned it blue, but did clean the grease.

Results: Data Table

	Up & Up	Tide	Oxi Clean	Dawn dish soap
Ketchup	7	10	10	7
Pomegranate	4	9	8	1
Grease	10	10	10	10

Results: Data Graph



Photographs of Project:

Clean

dirty

Conclusion

1. My hypothesis was supported because tide was the cleanest
2. I accomplished my objective of seeing what was the best cleaner. It was successful because I completed it in the way I wanted it to.
3. The results proved that Tide was the winner and Dawn dish soap did the worst

Implications and Ideas for Future Research...

4. I learned that there are good cleaners but the ones I used, Tide is the best, or you can wear a napkin over you.
5. What I would do differently is harder stains and different varieties of cleaners.

- A way I could take it to the next level is trying different types of stains, harder stains to get out. Why I should do that is because there are a bunch of harder stains that could be harder to get out.
    - I can scrub it for a better certain amount of time
    - I could have more trials to see if there is an even better cleaner, or a harder stain to scrub out.

References

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Stain Remover

Materials

- 12 White pieces of cloth
- Ketchup
- Pomegranate
- Grease
- Tide
- Oxi Clean
- Great Value
- Dawn Dishsoap
- Chromebook
- Logbook

Objective

In this experiment I will be testing What type of stain remover will best the stain

Statement of the Problem

The problem in this experiment is that stains are kind of hard to clean if you don't get the right cleaning solution for it. I want to do this because I myself am a clumsy person, and my mom has trouble getting stains out so I wanted to help her clean it. This is important because many people are messy and can get their clothes dirty, so this experiment will help with exactly that, and what cleans it best.

Procedures

1. Make sure you have space on a counter or table that is clean
2. Then set out the 12 pieces of white cloth evenly out in 3 and 4 going down.
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13. Then repeat with the pomegranate/fruit, and grease.

Variables

Independent- stain remover
Dependent- how much stain is removed
Control- N/A

Hypothesis

My hypothesis is that Tide stain remover will remove the stain best.

Results

Results: My results showed a correct answer and the answer I was looking for. My hypothesis that Tide would be the best to clean was supported. I used a scale from 1-10 ten being the best, one being the worst, to rate the cleanliness of each cloth. For Up&Up, on the ketchup I put 7 because it did good but you can still see it, on pomegranate juice it did a 4 which was pretty bad but still kind of okay. Tide did amazing, it got a 10 on ketchup, 9 on pomegranate juice, it cleaned a lot of it, but not it all, and a 10 on grease. Oxi Clean also did a good job, but you can still see some pomegranate stains but not a lot, the grease was gone. Dawn dish soap cleaned the ketchup okay, not all though, it did poorly on the pomegranate and only turned it blue, but did clean the grease.

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2. I accomplished my objective of seeing what was the best cleaner. It was successful because I completed it in the way I wanted it to.
3. The results proved that Tide was the winner and Dawn dish soap did the worst
4. I learned that there are good cleaners but the ones I used, Tide is the best, or you can wear a napkin over you.
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