

The Biggest Tallest Paper Tower

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Facts

The tower was pretty strong if it can hold that much weight then it's pretty strong.

The tower was only 1 piece of paper each for the layers and paper.

We can only use paper, 30 sheets, a can, tape, and a flat surface because it will be a lot sturdier for the tower.

When you build the tower you put the can on it and if it works then you keep on building it higher and higher but you have to put a can on the top of it each time you time it.

You have to make it as tall as you can it could probably be as tall as you.

Problem/research Questions

How tall will the tower be and will it be able to hold a can on the top of it.

When you build a tower try and build it a little different then you see it because it will probably work a better if it isn't the same.

Hypothesis

If I put corners in the box kind of it will make it hold up stronger and it will be a tall tower instead of a short tower because those corners are going to hold it up for longer.

If you build a tower try and find ways that will hold it up stronger and then you can use different methods each time you build it higher and higher and then it can be a different tower and it will probably be a stronger tower than everyone else's tower.

Materials

Tools

The can **ONLY** weigh 14-16 oz or 400-450 g

You can use printer paper

ONLY 30 sheets are allowed

You can only use clear office tape

And a hard flat surface such as table or countertop are allowed

Procedure

1. Then you built the 1 layer
2. Then you put a piece of paper on the top
3. Test it for 1 minute it worked
4. Then you do the 2 layer
5. Put a piece of paper at the top
6. Test it for one minute it worked
7. Then do the 3 layer
8. Put a piece of paper at the top
9. Test it again for 1 minute it worked
10. Then put the 4 and last layer
11. Put a piece of paper at the top
12. Test it again for 1 minute it worked again

Independent/ Dependent variable

The Independent Variable/ The Independent Variable is what kind of method do I do and what kinds of materials do I use.

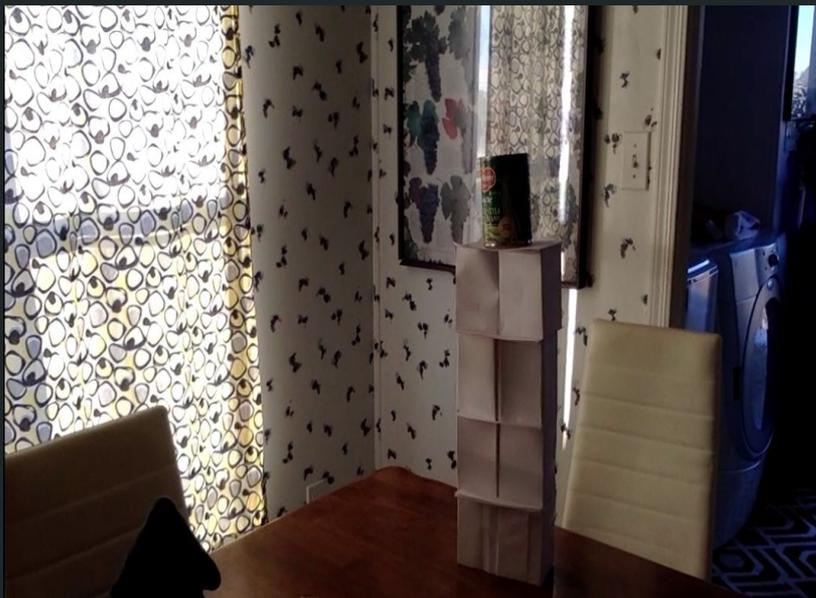
The Dependent Variable/ The Dependent Variable is how tall will it get.

Images



All photos taken by the researcher.

Images



Conclusion

When we were putting it together it was holding really well and it keep holding really good. When we were finished it still keep holding really good you could beat on the table you could do anything with it. It was really strong when we finished we could have built it higher but it worked out pretty well so we didn't want it to fall so we just left it like that and we also did it before school so we had to get on the bus but other then that it did amazing and I loved the ending because it could have gone higher. The ending was good it never fell and what was cool about it is that there were was only 1 piece of paper each you just have to get the right techniques to do it and I loved this project hope you did to and how high did you get yours to hold?