

Question:

Which surface has the least friction?

What I did

I had a slope and a toy car and then a range of different surfaces. I let the car go down the slope and at the bottom of the slope, it went across the different surface. For each surface, I measured how far along the car went before stopping and used this to help me know which surface had the least friction. On the surface with the least friction, the car went further and on the surface with the most it travelled a shorter distance.

Independent variable

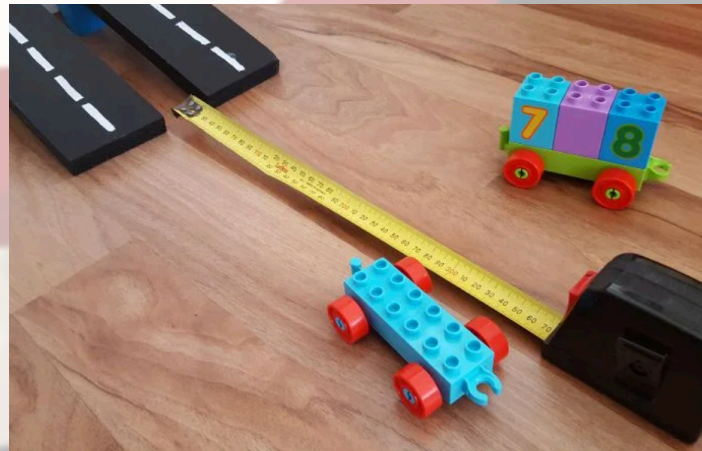
Different types of surface

Dependent variable

How far the car goes

How I made my test fair

I used the same car every time and let it go from the same place every time. I also made sure I didn't push the car when I let it go.



What I found out

My results show that glass has the least friction because the car travelled the furthest on the glass surface. Glass is smooth, which means there are less bumps to create friction.

Results

	Distance travelled (cm)
Carpet	10cm
Wood	14cm
Cardboard	12.5cm
Glass	18cm

