



Name: Form:

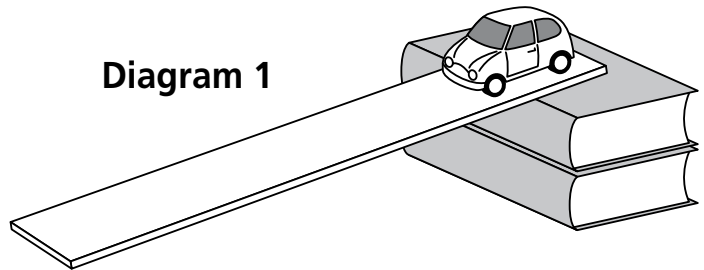
Based on pages 22 and 23 of *Friction*


Improving friction

Try this...

1. Set up the experiment shown in Diagram 1.

Diagram 1



2. Let the car go down the ramp. Measure how far it goes across the floor? Write the distance travelled here. 

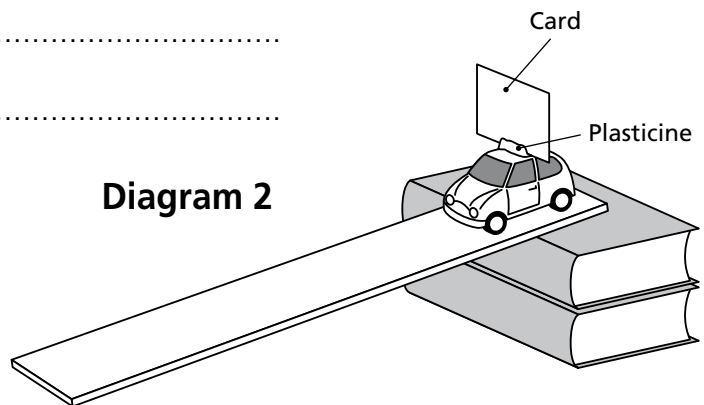
3. Will the car always travel this distance? Plan and carry out an investigation to test this idea, then write your prediction here.





4. Add a piece of stiff card to the top of the car as Diagram 2 shows.

Diagram 2



5. Predict how far down the ramp the car will travel now.



6. Plan and carry out an investigation to test your prediction.

7. How do the results of your investigation compare with your prediction?



8. Can a toy car be used to test for air resistance? Explain your answer.







