# 8 Toy cars

***You can investigate moving, going faster and going slower with a toy car.***

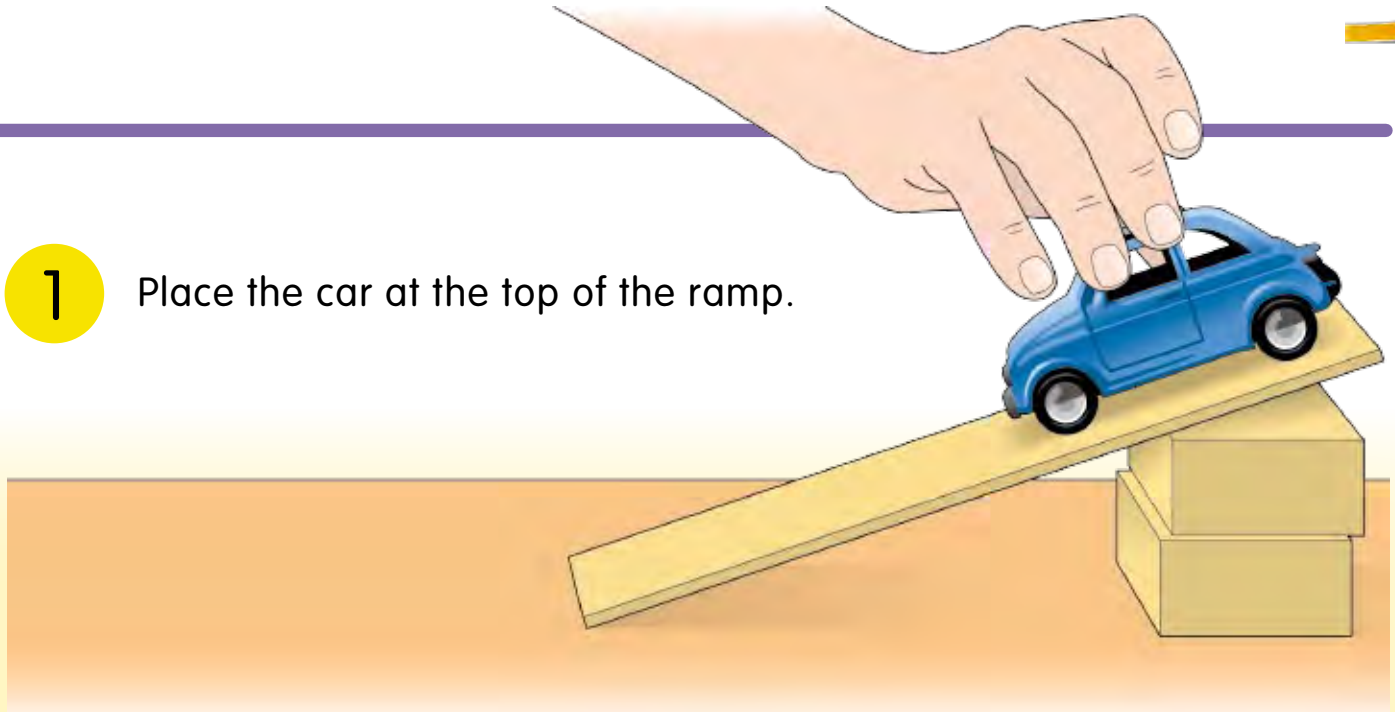
**Do an investigation**

*Prop one end of a board up using wooden blocks. This gives you a slope called a ramp.*

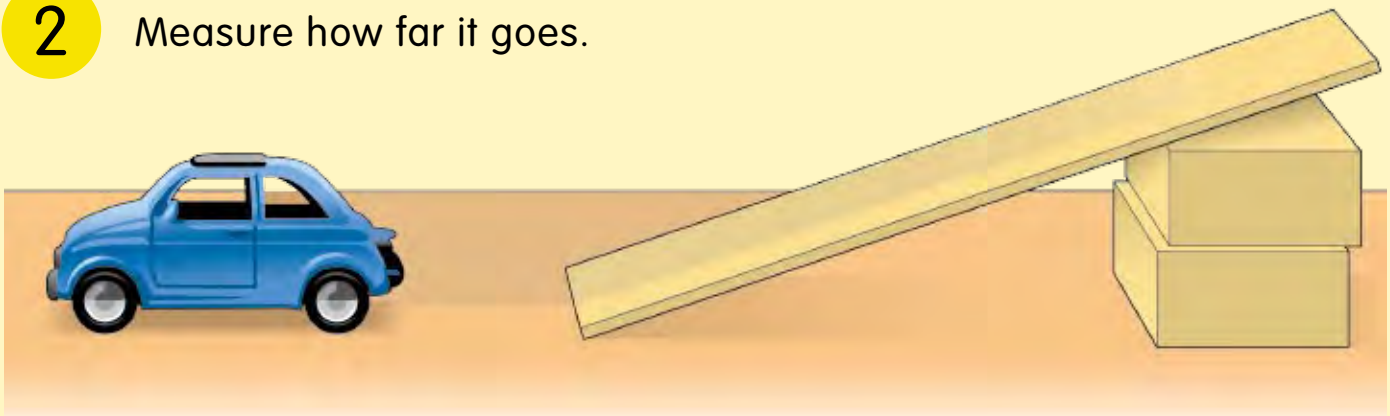
1. *Place the car at the top of the ramp. Then let it go. It will rush down the ramp and travel across your tabletop.*
2. *Now measure how far it moves before it comes to a stop.*
3. *Put some more blocks under the board to make the ramp steeper. Repeat your experiment and measure how far the car moved before it came to a stop.*
4. *Now take most of the blocks away. What do you think will happen? Repeat your experiment to see if you are right.*



1 Place the car at the top of the ramp.



2 Measure how far it goes.



**How does it work?**

*The car is pulled down the ramp by gravity. Gravity is more powerful than friction. When the car goes on the flat surface, gravity stops pulling it forwards. Friction then makes the car stop.*

**What would happen to the cars if you covered the table with a tablecloth?**