**7**

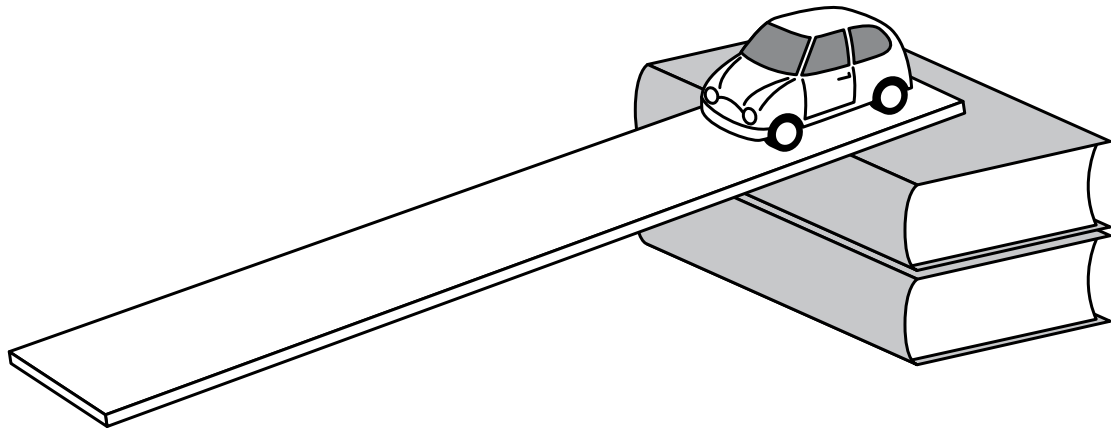**Name:** ............................................. **Form:** ...................
Based on **pages 16 and 17** of *Friction*

# Moving over different surfaces

**Try this…**

**1.** Set up some ramps with different surfaces. At first, set the ramps so they are only a few centimetres high at one end.

**2.** Place a toy car at the top of one ramp, as the diagram shows, and let it go. Time how long it takes to reach the bottom of the ramp. Notice how straight the car runs and if its wheels are turning. Record your results on a separate sheet of paper.



**3.** Repeat step 2 with all the ramps.

**4.** Set up the first ramp again and raise the raised end of the ramp by a few more centimetres.

**5.** Repeat steps 2 and 3.

**6.** Set up the first ramp again and raise the raised end of the ramp by a few more centimetres.

**7.** Repeat steps 2 and 3.

**Looking at the results.**

**8.** What do your results show?

✎..............................................................................................................................

**9.** How could you make the results more reliable?

✎..............................................................................................................................