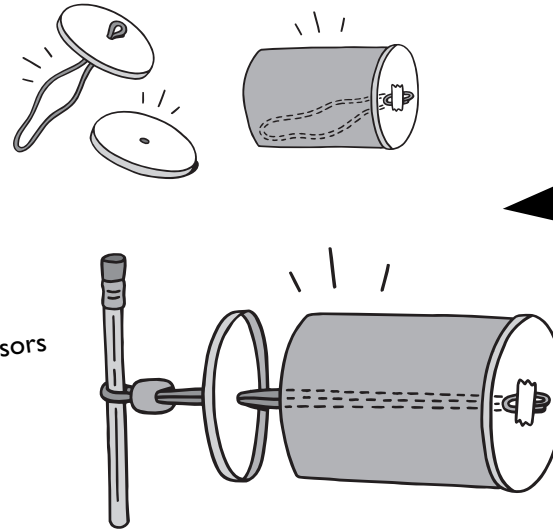


Can you make a racecar out of a coffee can and rubber bands?

—Sent in by Sarah G. of St. Louis, MO

Can Car

What You Need • coffee can with two plastic lids • can opener • scissors
• rubber band • paper clip • tape • bead • pencil • liquid soap



- 1 Have an adult help you use the can opener to **cut the bottom** off of an empty coffee can. Be careful because the edges can be sharp.
- 2 Use scissors to **punch a hole** in the center of both coffee can lids. Make sure the hole is large enough for a rubber band to pass through easily.
- 3 **Push** one end of a rubber band through one of the holes, and **hook** it around a paper clip on the outside of the lid. **Tape** the paper clip in place over the hole so that the

- rubber band cannot pull through the hole. Place the lid with the rubber band on the can.
- 4 Reach into the can and **grab** the rubber band. **Slide** the rubber band through the hole in the other lid. **Slip** the end of the rubber band through the bead.
 - 5 **Slide a pencil** through the end of the rubber band. The pencil stops the rubber band from pulling back through the lid. **Place** the lid on the can.

- 6 **Adjust** the pencil so that one end extends past the edge of the can.
- 7 Put some **liquid soap** around the edge of the lid to cut down the rubbing of the pencil.
- 8 **Wind up** the rubber band. Then place the car on the floor and **let it go**.



Try It Out!



Now it's time for you to **experiment**. What happens if you use rubber bands of different **lengths** or **thickness**? What if you use a different **size** can? Change **one thing** (that's the variable). **Predict** what you think will happen and then **test it**. Send your results to ZOOM.



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