



Radical Roller Coasters

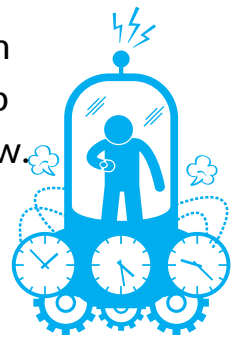
1. Why don't people fall out of roller coasters when they go upside down?

- They have a safety harness or bar holding them in.
- The carriages have special wheels that grip to the track.
- They are holding on tightly.
- The speed that the carriage is travelling means that riders are pushed up into their seats when upside down. This force is stronger than gravity's pull.

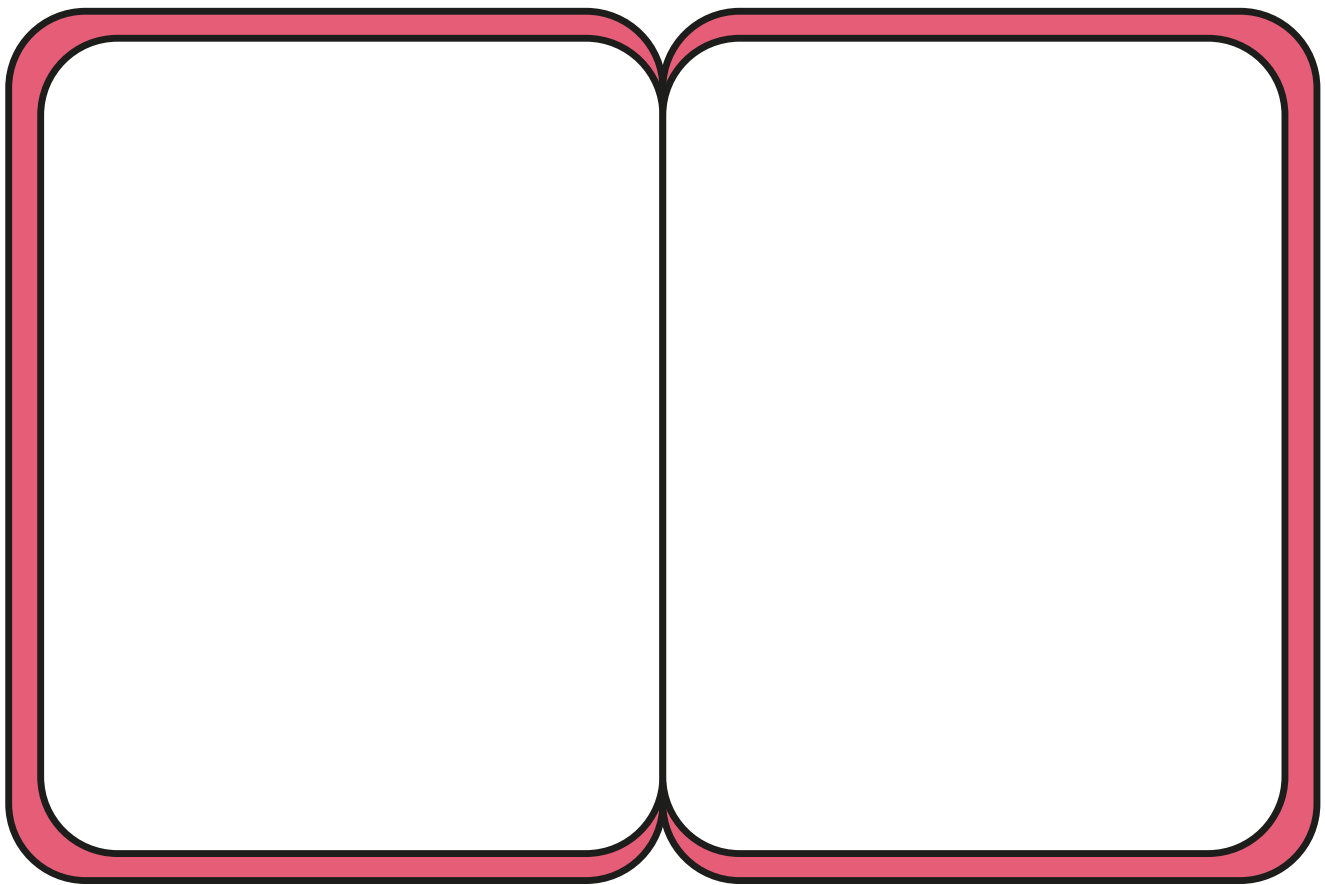
2. Why do you think roller coasters are so popular? Why do people like being scared?



3. Would you rather travel in a time machine to ride on an icy "Russian Mountain" with Catherine the Great, or the old coal car pulled back up by mules. Draw yourself on your preferred ride, and explain why below.



4. Design your perfect roller coaster. Use arrows and labels to explain its features, speed, and materials.



5. Look at the information below. Do you think it was cheaper to ride a wooden roller coaster in 1884 or 2022? Explain why.

1884: Coney Island

Roller coaster ticket: 5 cents

Factory worker daily pay: \$1.25

Cost of a loaf of bread: 4 cents



2022: Luna Park

Roller coaster ticket: \$10.50

Factory worker daily pay: \$215

Cost of a loaf of bread: \$2.65
