

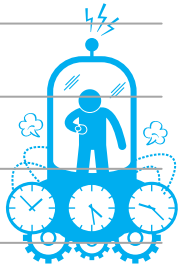


Radical Roller Coasters

1. Why do you think so many humans enjoy being scared—by roller coasters, horror movies, bungee jumping, and more? What is the appeal of danger?



2. 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 the hill by mules? Explain your choice.

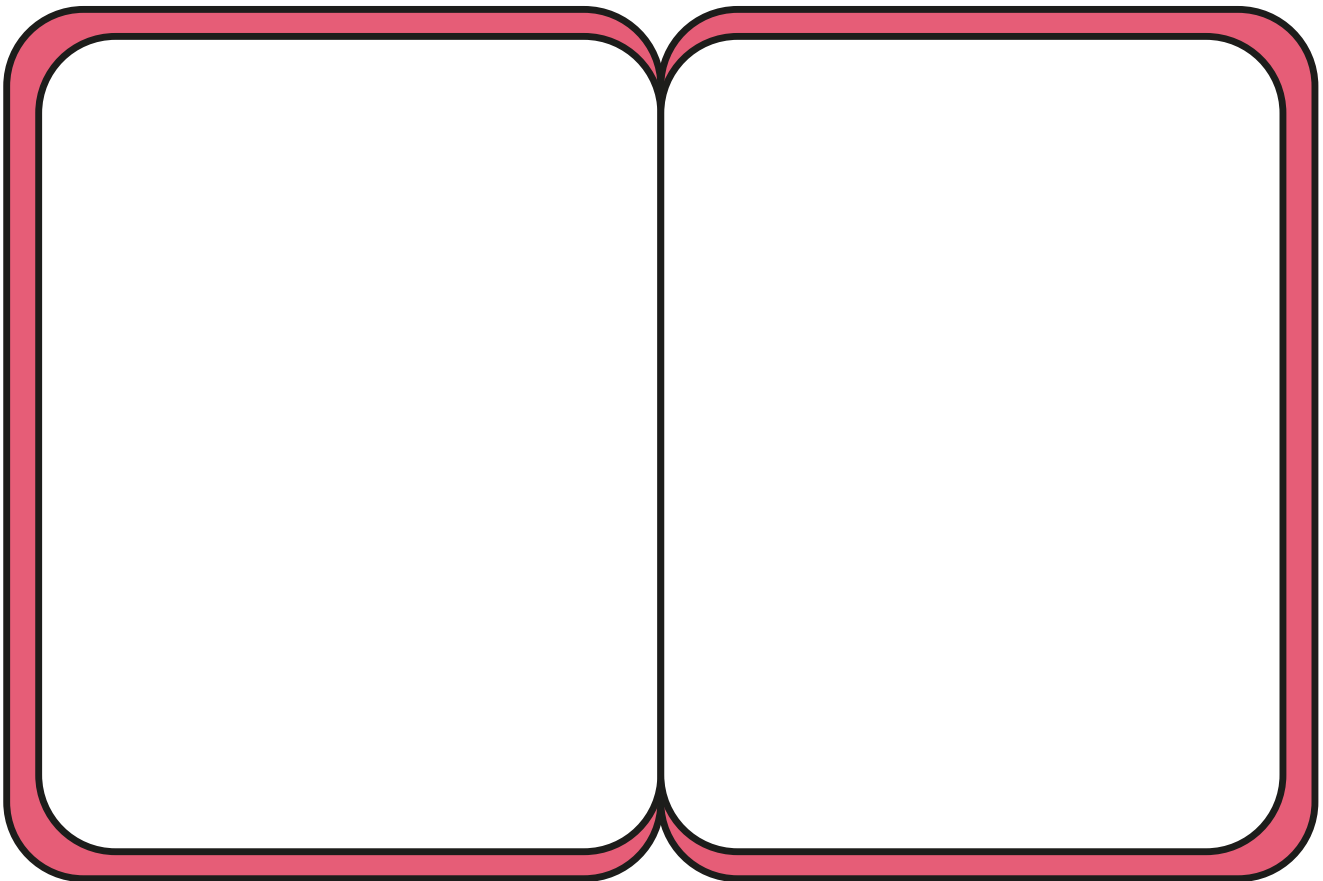


3. When the Russian Empress built a Russian Mountain of her own, the ride's popularity spread. How are people today are influenced by celebrities? Explain your answer and give as many different types of examples as possible.



Catherine the Great: Influencer of the 1600s.

4. Explain Bryce's experiment with the bucket of water on the pages below, as if you were writing a science textbook. You may draw and label diagrams.



5. Look at the information below. Use maths to explain whether you think it was cheaper for a family of four to ride a wooden roller coaster in 1884 or 2022.

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
