



Math

Sweet Hersheypark Math

Directions

Answer each question to the best of your ability. We've listed any formulas you might need. Use scrap paper to show your work.

Problems

1. Arrange these Hersheypark roller coasters in order by the year they opened from the oldest to the newest.: Wild Mouse (1999), sooperdooperLooper (1977), Comet (1946), Storm Runner (2004), and Cocoa Cruiser (2014).
2. Sidewinder is a boomerang coaster that opened in 1991. In 2025, how old will it be?
3. The original Wildcat was the first roller coaster at Hersheypark, which operated from 1923-1945. How long did it operate?
4. If you rode all 15 Hersheypark coasters then you've ridden over 40,405 feet of track. Which number is in the ten's place?
5. Wild Mouse includes six 180-degree hairpin switchback turns. Riders feel like they are going to fall off the track. How many total degrees do riders turn by the time the ride is over?
6. The maximum speed on Fahrenheit is 58 mph. Trailblazer reaches speeds of up to 45 mph. Which roller coaster is faster?
7. The Candymodium track is 4,636 feet in length. How many yards is that? (3 feet = 1 yard)
8. Fahrenheit has a 97-degree negative drop following a 90-degree, 121-foot ascent, making it the steepest coaster in Hersheypark. What kind of angles are on the coaster?
9. Candymodium has a 123 degree Hammerhead Curve. Is that an acute angle or obtuse angle? (Acute angles are less than 90 degrees. Obtuse angles are greater than 90 degrees.)
10. Challenge Question If Candymodium riders travel 4636 feet in about 146 seconds, is the average speed greater than, less than, or equal to its maximum speed of 76 mph? (Rate equals distance divided by time: $r = d/t$.)