

Calculus Challenge Problem # 5

Students did a very nice job with this problem. The calculus was somewhat tedious, but it was a straightforward application of classic max/min problems. Most groups did not justify the maximum with a second derivative test, although some did a very nice job with it.

Results:

School	Teacher	Score	Cumulative Score
Bellville High School	Trudy Durham	5	25
Benjamin Cardozo High School	Ken Rubel	5	25
Blessed Trinity Catholic High School	Amy Muller	5	15
Eagle's Landing Christian Academy	Deborah Brown		2.5
Fike High School	Christie Wuebbles		4.5
Gleneagle Secondary School	Nevena Savovic	5	22.5
Gray Stone Day School	Robin Dassler		8.5
Hickman High School	Deanna Wasman	5	23.5
Head-Royce School	Shahana Sarkar	5	9.5
La Habra High School A	Barbara De Roes		5
La Habra High School B	Barbara De Roes		10
North Lamar High School	Kathy Stewart		3.5
Norwalk High School	Chris Higgins		4.5
Pine View School	Ann Hankinson	5	25