

Math Club Mystery

Members of the Math Club at Morganson Middle School sent us this problem:

The math club took a field trip to see the movie *An Inconvenient Truth*. A total of 28 people went on the trip, including students, teachers, and parent chaperones. There were more parents than teachers.



Movie tickets cost \$7, but the students got a discount and only had to pay \$3 each. The group paid a total of \$108 to get everyone in. Determine how many students, how many teachers, and how many parents went on the trip.

How much can you figure out and be certain of about how many students, teachers, and parents went on the trip?

The Math Forum's Problems of the Week provide non-routine constructed response problems. The Algebra problems target concepts typically learned in an Algebra I course in middle or high school. Memberships and mentoring options are available at the student, teacher, school, and district levels.