8.F High School Graduation

Task

The SLV High School graduation started at 1:00PM. After some speeches, the principal started reading off the names of the students, alphabetically by last name. When he finishes, the graduation will end.

a. Use the bulletin shown below to estimate when the graduation will end.

San Lorenzo Valley High School
Class of 2011

Amber Anne Chase
Faye Ellise Chavez
David Thomas Choeus
Zoe Darlene Chinn

Nicholas Gregory Harragaves
Alexander Samuel Harriet
David Michael Hart
Lorella Lorraine Harvey
Olivia Louise Herrera
Kasea Aderai Hill
Ludmila Elina Hiptrey
Jazelle Gina Hooper
Monia Donna May Hopkins
Lindsey Marie Hopkin
Bryn Kathryn Horton
Thomas John Housek
Ellen Joanne Intris
Jordan Issacson
Joseph Clifford Jansen
Allison Kristine Janus
Nellie Pearl Mitchell Johnson
Lacey Marie Johnson
Felipe Johnson
Sheleby Danielle Johnson
Zachary David Johnson
Dakota Shea Jones
Tanner William Jones
Clara Joy Kamau
Min Anne Kellgo
Maxine Elaine Kelly
Ryan Scott Kennedy
Jenny Rae Kesteren
Andrew Benjamin King
Russel Theodore Klein
Zachrarian Waya Tsgiti Klus
Christina Rose Knoll
Jessica Danielle Kraft
Jessica Ann Laoy
Joseph Allan Landry
Abbie Mae Leverue
Mathew Alexander Litpper
Madeline Elizabeth Lopez
Emily Marie Madison
Rebecca Lynn Makita
Savanna San Mangelsen
Zane Michael Markham
Alfredo Martinez
Tyler Cameron Mattson
Wayne Thomas McCarthy
Theos Christopher McClish
Annalisa Marie McFarland
Alexander Michael McIntosh
Dominique Sharran McIntosh
Victoria McKenzie
Violet Jostelle McNally
Kendra Dee Messmer
Marisa Grace Brudnick
Sage Nicole Monack
Thomas Oean Moreno
Rainbow Roxanne Muchamuel
Nicholas Jefferson Newberry
George Austin Norfleet
Travis James Nugent
Joseph Carl Olson
Lacie Marie Orndorfo
Mary Elaine Ivy Orr
Austin Leonard Overton
Haley Lauren Pace
James Evyn Paolini
Timothy William Parker
Carson Taylor Paynter
Zaccharia Alan Peabody
Kathrina May Pearce
Samuel Jackson Pelphey
Chandler Elizabeth Perazzo
Sebastian Thomas Peterson

1:38PM

1:33PM
b. Estimate how long the speeches took. How do you know?

c. Write an equation that the parents could use to find the approximate time the principal will call their child’s name given the child’s position in the list in the graduation program.

d. Aptos High School and Santa Cruz High School started their graduations at the same time. The graphs shown below show the time of day as a function of the number of names the principal has read at each school. Write down as many differences between the two graduations as you can based on differences in the two graphs. Give your reasons for each.