

Answer on Question #50554 – Math – Statistics and Probability

The 24 students in a class record how long they take to run 100m. The mean time for all the students is 14.8.

A student who ran 100m in 12.7 seconds leaves the school. Find the mean for the remaining students.

Solution:

if the mean time for 24 students is 14.8 seconds then total time is $24 * 14.8 = 355.2$ seconds. When one student with time 12.7 seconds left, there were 23 students and their total time was $355.2 - 12.7 = 342.5$ seconds. So, their average time is $342.5/23 = 14.9$ seconds.

Answer: 14.9 seconds.