

“NO RECORD FOR 9.96 IN THE 99.96 METERS”

A recent sports section headline announced, “No Record for 9.96 in the 99.96 Meters.” The article went on to explain that Tim Montgomery of Odessa, Texas was not awarded the designation of recordholder after it was discovered that his time of 9.96 seconds in the 100-meter dash came on a track that was only 99.96 meters long.

1. Draw a line segment that shows by what length in the track fell short of 100 meters.
2. Determine what Tim’s time would have been if the track was 100 meters in length and he continued running at the same rate.
3. Write a letter to the Texas International Amateur Athletic Federation that explains –using mathematics – why you believe Tim did or did not deserve to set the record.

[Source: A Guide to K-12 Program Development in Mathematics, State of Connecticut]

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