Answer on Question #57528 – Math – Algebra

Question

After 20 minutes of pedaling, how many calories has Manisha burned? How long did it take her to burn 443 total calories?

Solution

Let's take information about calories burned from this site.
http://www.health.harvard.edu/newsweek/Calories-burned-in-30-minutes-of-leisure-and-routine-activities.htm

Let's suppose that Manisha's weight is 125 pound and she has moderate stationary bicycling.

She burns 210 calories per 30 minutes (210/30=7 calories per minute).

Then after 20 minutes she has burned 140 calories (20·7=140).

And it took her about 63 minutes to burn 443 calories (443/7≈ 63).