

Grade 5 Unit 13

Question 27 is an open-response question.

- **BE SURE TO ANSWER AND LABEL ALL PARTS OF THE QUESTION.**
- **Show all your work (diagrams, tables, or computations) in your Student Answer Booklet.**
- **If you do the work in your head, explain in writing how you did the work.**

Write your answer to question 27 in the space provided in your Student Answer Booklet.

- 27** Jillian has a rowing machine. The table below lists the number of calories she burns when she exercises on her rowing machine.

**Calories Burned
Exercising on
Rowing Machine**

Minutes Exercised	Calories Burned
10	70
20	140
30	210

- Based on the data in the table, what is the total number of calories that Jillian burns in 1 minute? Show or explain how you got your answer.
- Based on your answer to part (a), what is the total number of calories that Jillian will burn if she exercises on her rowing machine for 25 minutes? Show or explain how you got your answer.
- Based on your answer to part (a), what is the total number of minutes that Jillian exercised if she burned 385 calories? Show or explain how you got your answer.