

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Per: \_\_\_\_\_

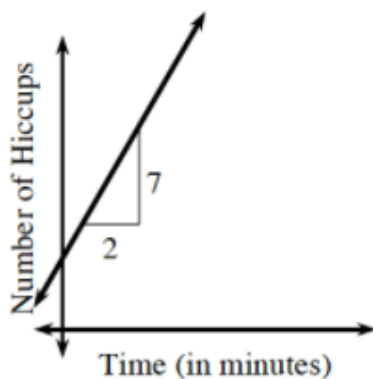
### Comparing Slopes

Directions: Compare each student's slope and answer the questions on the back side. Mr. Ta's class has been struck with hiccups! Three students track their number of hiccups over time. Assume each student hiccups at a constant rate.

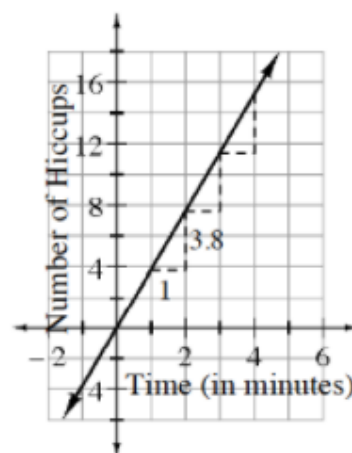
Student I

Time (in min)	Number of Hiccups
2	8
4	16
7	28

Student II



Student III



Name: \_\_\_\_\_ Date: \_\_\_\_\_ Per: \_\_\_\_\_

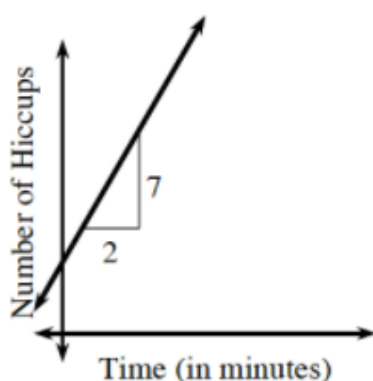
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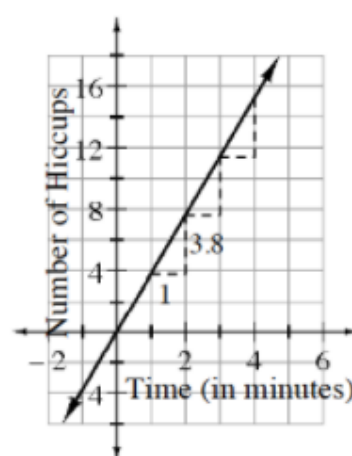
Student I

Time (in min)	Number of Hiccups
2	8
4	16
7	28

Student II



Student III



A. Which student has the most hiccups per minute? Justify your answer.

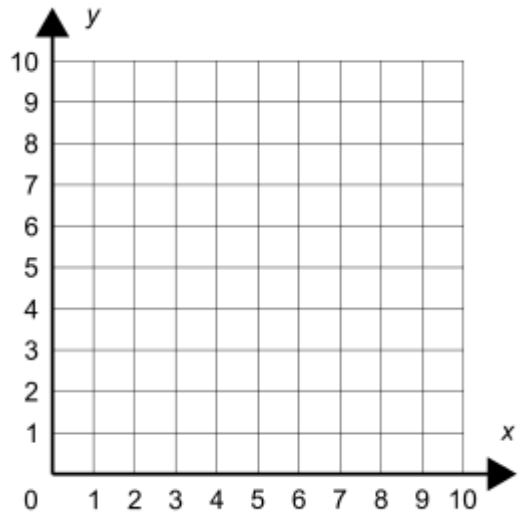
B. **Find the slope** that describes the rate of hiccups for each student. What does the slope tell you about each student?

Student I

Student II

Student III

C. If you graphed a line for the student who hiccups 4 times per minute, would the line be steeper, less steep, or the same steepness as the line in the graph for Student II?



A. Which student has the most hiccups per minute? Justify your answer.

B. **Find the slope** that describes the rate of hiccups for each student. What does the slope tell you about each student?

Student I

Student II

Student III

C. If you graphed a line for the student who hiccups 4 times per minute, would the line be steeper, less steep, or the same steepness as the line in the graph for Student II?

