

- c. At what distance in the race would it be better to be on Team B than Team A? Explain.
- d. If the members on each team ran for 10 hours, how far would each member run on each team?
- e. Will there always be a winning team, no matter what the length of the course? Why or why not?
- f. If the race is 12 miles long, which team should you choose to be on if you wish to win? Why would you choose this team?
- g. How much sooner would you finish on that team compared to the other team?

Exercises

1. Bella types at a constant rate of 42 words per minute. Is the number of words she can type proportional to the number of minutes she types? Create a table to determine the relationship.

Minutes	1	2	3	6	60
Number of Words					

2. Mark recently moved to a new state. During the first month he visited five state parks. Each month after he visited two more. Complete the table below and use the results to determine if the number of parks visited is proportional to the number of months.

Number of Months	Number of State Parks
1	
2	
3	
	23

3. The table below shows the relationship between the side length of a square and the area. Complete the table. Then determine if the length of the sides is proportional to the area.

Side Length (inches)	Area (square inches)
1	1
2	4
3	
4	
5	
8	
12	