

Grade Six Sample Test Item—Communicating Reasoning  
Achievement Level: Standard Nearly Met

Evan’s car can travel 84 miles on 3 gallons of gas. Using this rate, he constructs a table showing the number of miles that his car can travel on different amounts of gas.

Part A

Click on each of the errors in Evan’s table.

Part B

Select the number of miles Evan’s car can travel on 1 gallon of gas.

A.

Gallons of Gas	2	4	6	8	10
Miles Traveled	56	112	156	224	300

B. Evan’s car travels  miles on 1 gallon of gas.

- 24
- 26
- 28
- 30

Area

Communicating Reasoning

Demonstrating ability to support mathematical conclusions

Standard(s)

Use ratio and rate reasoning to solve real-world and mathematical problems, e.g., by reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations.

Answer

A. (6,156) and (10,300)  
B. 28