Exercise 69

A gym membership with two personal training sessions costs $125, while gym membership with five personal training sessions costs $260. What is cost per session?

[TYPO: Replace the last part with "while a gym membership with five personal training sessions costs $260. What is the average cost per session?"]

Solution

The average cost per session is the slope of the line going through the points, $(2, 125)$ and $(5, 260)$. Use the formula for slope.

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{260 - 125}{5 - 2} = \frac{135}{3} = 45$$