

Name _____

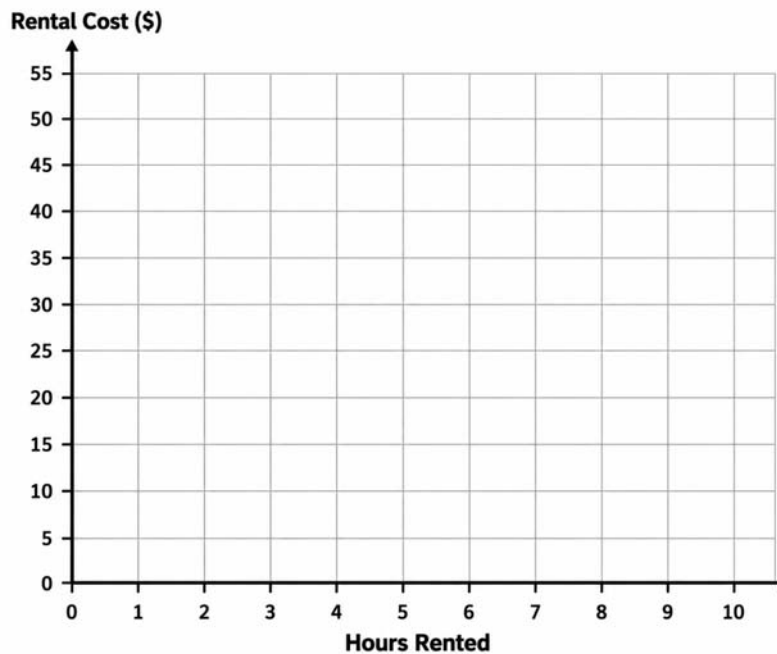


Model Builder

Directions: Plot the data. Draw a reasonable line of best fit. Use two points on your line to estimate an equation, then make the prediction.

A bike rental shop tracked the number of hours bikes were rented and the total rental cost.

Data Points: (1, 14), (2, 17), (3, 23), (4, 25), (5, 31), (6, 34), (7, 40), (8, 41), (9, 47), (10, 49)



1. Plot all 10 data points on the graph.
2. Draw a straight line of best fit through the center of the data.
3. Choose 2 convenient points. 1: (____,) 2: (____, ____)
4. Estimate the slope. $m =$ _____
5. Write an approximate best-fit equation. $y =$ _____
6. Use your equation to predict the cost of renting a bike for 12 hours.

Predicted cost: \$_____