

Name _____

Date _____

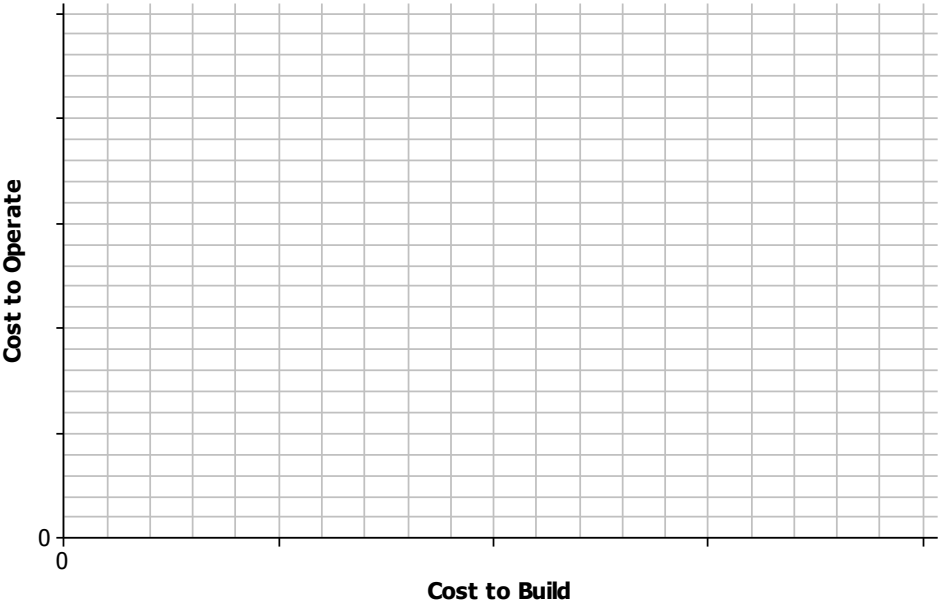
Lesson 6: Scatter Plots

Exit Ticket

Energy is measured in kilowatt hours. The table below shows the cost of building a facility to produce energy and the ongoing cost of operating the facility for five different types of energy.

Type of Energy	Cost to Operate (cents per kilowatt hour)	Cost to Build (dollars per kilowatt hour)
Hydroelectric	0.4	2,200
Wind	1.0	1,900
Nuclear	2.0	3,500
Coal	2.2	2,500
Natural Gas	4.8	1,000

1. Construct a scatter plot of the cost to build the facility (x) and the cost to operate the facility (y). Use the grid below, and be sure to add an appropriate scale to the axes.



2. Do you think that there is a statistical relationship between building cost and operating cost? If so, describe the nature of the relationship.
3. Based on the scatter plot, can you conclude that decreased building cost is the cause of increased operating cost? Explain.