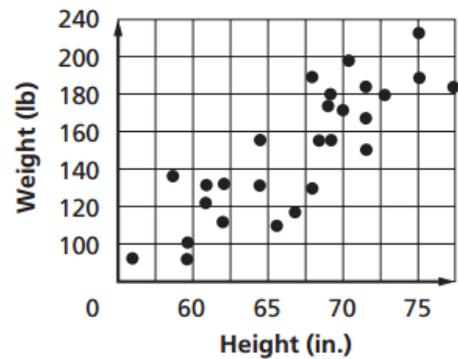
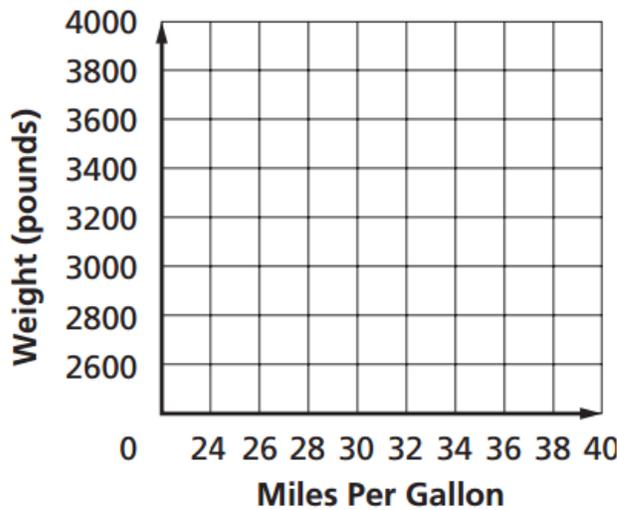


1. **HEIGHT AND WEIGHT** The school nurse recorded the height and weight of the students in Brigitte’s class. The nurse made a scatter plot of the data. What kind of relationship does the scatter plot show?



2. **CARS** Beth did a study of the weights and fuel economy of different cars. She put the information she collected into a table.
 - a. Make a scatter plot of the information.



- b. What type of relationship, if any, exists between the plotted data values?

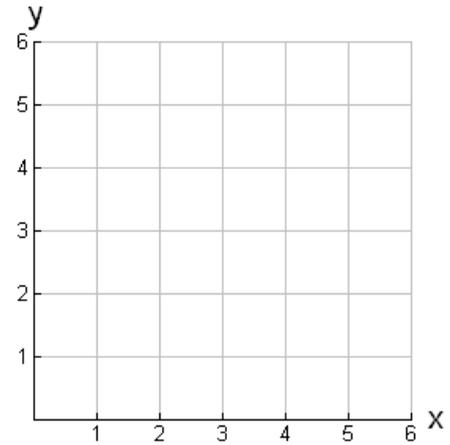
Make	MPG (highway)	Weight (lb)
Acura	24	3155
Buick	30	3640
Chevrolet	30	3135
Dodge	32	2730
Honda	40	2810
Hyundai	32	2980
Mazda	34	2815
Nissan	28	3545
Pontiac	32	2605
Toyota	38	2595
Volkswagon	30	3330

Source: www.consumerreports.com

3. The table below shows Colleen’s hours of exercise and weight loss each week.

Hours of exercise	Weight loss (pounds)
1.5	0.5
3	2.8
5	3.5
2	2.5
4	3

- Make a scatter plot of the information.
- What type of relationship did you find between the hours of exercise and weight loss?



4. As the age of a car increases, its value decreases. Which scatterplot best represents this relationship?

