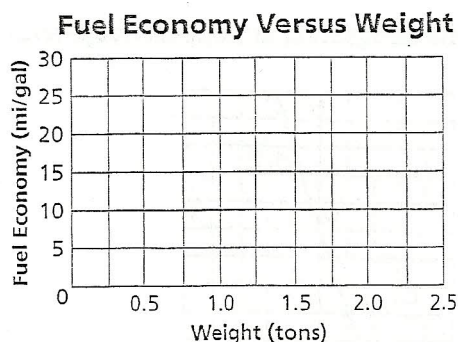


For exercises 16-18, complete parts a-c for each set of data.

- Draw a scatter plot.
- Use two ordered pairs to write a prediction equation.
- Use your prediction equation to predict the missing value.

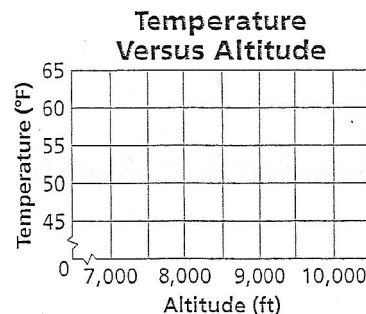
16. Fuel Economy – The table gives the approximate weights in tons and estimates for overall fuel economy in miles per gallon for several cars.

Weight (tons)	1.3	1.4	1.5	1.8	2	2.1	2.4
Miles per Gallon	29	24	23	21	?	17	15



17. Altitude – In most cases, temperature decreases with increasing altitude. As Sarah drives into the mountains, her car thermometer registers the temperatures (°F) shown in the table at the given altitudes (feet).

Altitude (ft)	7500	8200	8600	9200	9700	10,400	12,000
Temperature (°F)	61	58	56	53	50	46	?



18. Health – Josh has a treadmill that uses the time on the treadmill and the speed of walking or running to estimate the number of Calories he burns during a workout. The table gives workout times and Calories burned for several workouts.

Time (min)	18	24	30	40	42	48	52	60
Calories Burned	260	280	320	380	400	440	475	?