

## Lesson 1 Extra Practice

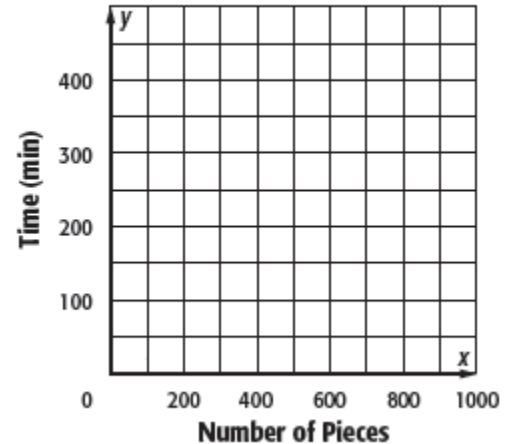
### Scatter Plots

1. The number of pieces in a jigsaw puzzle and the number of minutes required for a person to complete it is shown below.

<b>Number of Pieces</b>	100	60	500	750	1000	800	75
<b>Time (min)</b>	35	20	175	315	395	270	25

- Make a scatter plot of the data.
- Interpret the scatter plot of the data based on the shape of the distribution.
- Suppose Dave purchases a puzzle having 650 pieces. Predict the length of time it will take him to complete the puzzle.

**Puzzle Completion**



2. The table shows the number of gold medals won by the United States Olympic team at the Summer Olympics from 1968 through 2008.

<b>Year</b>	1968	1972	1976	1984	1988	1992	1996	2000	2004	2008
<b>Number of Medals</b>	45	33	34	83	36	37	44	38	36	36

- Make a scatter plot of the data.
- Interpret the scatter plot of the data based on the shape of the distribution.
- Is it possible to predict the number of gold medals won in 2016? Explain.

**United States Gold Medals**

