

Name:

Date:

Topic:

Class:

Main Ideas/Questions      Notes/Examples

Scatter Plot

Types of Relationships

**Determine the type of relationship most likely shown by the data.**

1. The size of a home versus the size of its lot.
2. Number of passengers on a plane versus number of suitcases.
3. Number of days into fall versus number of leaves on the trees.

**Drawing Scatter Plots**

Relationship:

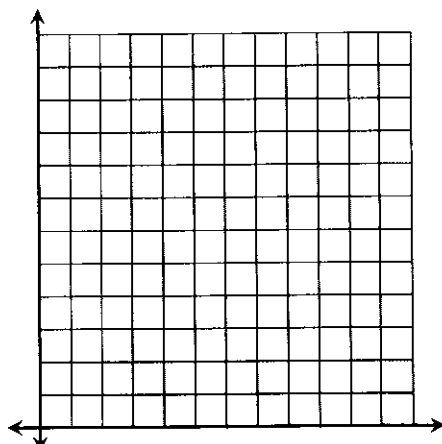
4. \_\_\_\_\_

5. \_\_\_\_\_

**Draw the scatter plot and identify the relationship shown.**

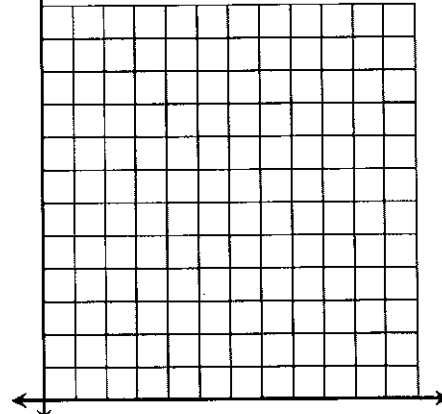
4. The number of hours a student studied for a test and their grade:

Hours	Grade
3	80
5	90
2	45
6	85
8	95
1	55
2	60
7	100
4	75



5. The number of hours a person spent in the mall and the amount of money they spent:

Hours	Dollars
1	40
8	25
7	30
5	70
9	95
2	40
3	115
5	15



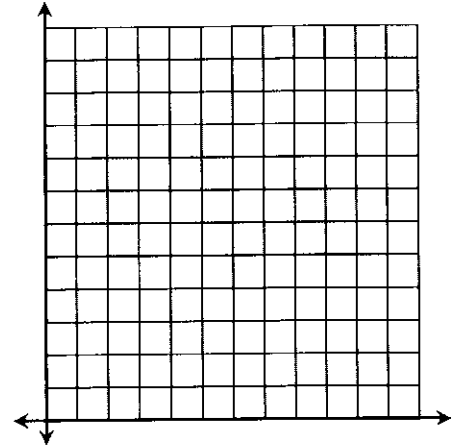
Relationship:

6. \_\_\_\_\_

7. \_\_\_\_\_

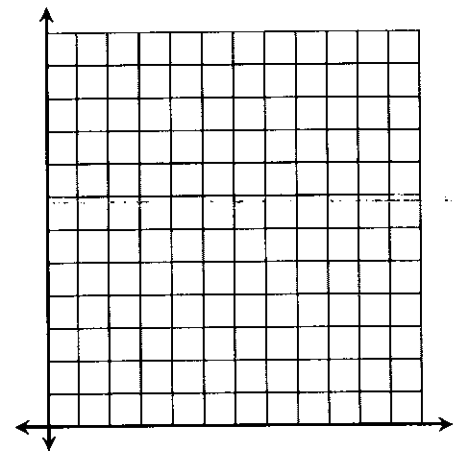
6. The percent of households in a city with a landline telephone:

Year	% of homes with a landline
2000	84
2002	80
2004	73
2006	68
2008	65
2010	55
2012	51
2014	47
2016	42



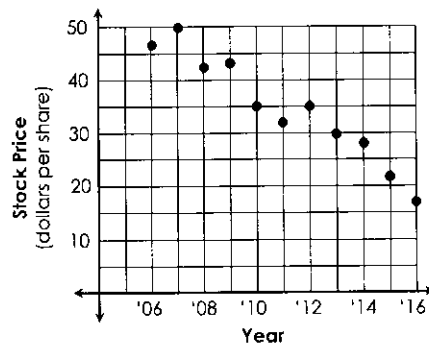
7. The toll to drive on a section of highway each year since the toll began:

Year	Dollars
2009	\$0.70
2010	\$0.85
2011	\$0.85
2012	\$0.90
2013	\$0.95
2014	\$1.05
2015	\$1.15
2016	\$1.15
2017	\$1.20



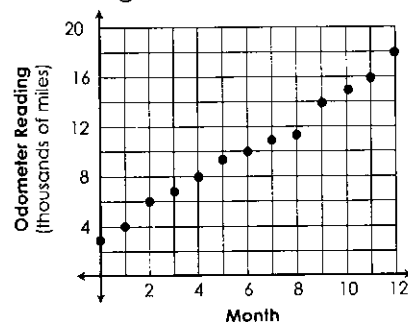
## Reading Scatter Plots

8. A company's stock price since it launched in 2006 is shown below.



- What is the approximate stock price in 2015?
- In what year(s) was the stock price \$35 per share?
- What is the relationship?

9. Olivia bought a used car in April. The graph below shows the odometer reading each month after she bought the car.



- Approximately how many miles were on the car when she bought it?
- Approximately how many miles were on the car in July?
- In what month did the car reach 14,000 miles?