Pre-Algebra B   Name/Date _____ *Solutions* _____

ALL PROBLEMS CAN BE COMPLETED ON THIS WORKSHEET
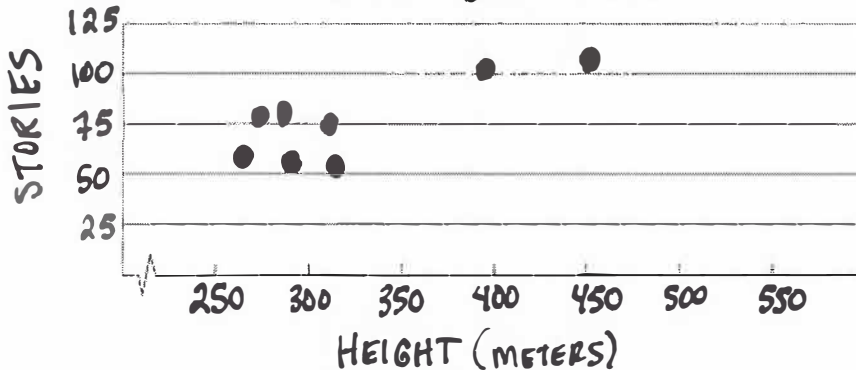
WS 28.2 – Scatter Plots 2

1. Use the given data to make a scatter plot.

Tall Buildings in U.S. Cities

Building	City	Stories (Y)	Height (meters) (X)
Sears Tower	Chicago	110	442
Empire State Building	New York	102	381
Bank of America Plaza	Atlanta	55	312
Library Tower	Los Angeles	75	310
Key Tower	Cleveland	57	290
Columbia Seafirst Center	Seattle	76	287
NationsBank Plaza	Dallas	72	281
NationsBank Corporate Center	Charlotte	60	265

(442, 110)
(381, 102)
(312, 55)
(310, 75)
(290, 57)
(287, 76)
(281, 72)
(265, 60)

Tall Buildings in U.S. Cities

Do the data sets have a positive, a negative, or no correlation?

2. The temperature outside and the number of ice cream cones sold

as temp outside goes up, ice cream sold goes up

___positive correlation___

3. The amount of time spent in the bathtub and the temperature of the bath water

as time spent in bathtub goes up, temperature of water goes down

___negative correlation___

4. Use the data to predict the percent of Americans owning a home in 1955.

Percent of Americans Owning Homes

Year	1950	1960	1970	1980	1990
Percent	55.0%	61.9%	62.9%	64.4%	64.2%

1955

In 1955, about __58__% of Americans owned a home.