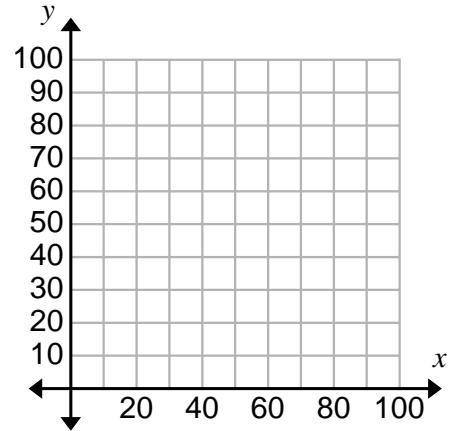


Constructing & Interpreting Scatter Plots #2 (page 1)

1) The following data was collected by a teacher from his students after a math test.

Study Time (min.)	20	85	30	90	45	30	80	50	35
Test Score	60	65	70	100	88	77	90	82	80

- Plot these data points on the coordinate grid.
Label the graph.
- Is there an association between the amount of study time and the test score? (positive, negative, or no association)
- If there is an association, would you say it is strong or weak?
- Are there any outliers in the data?
- Which data point do you relate the most to? Why?

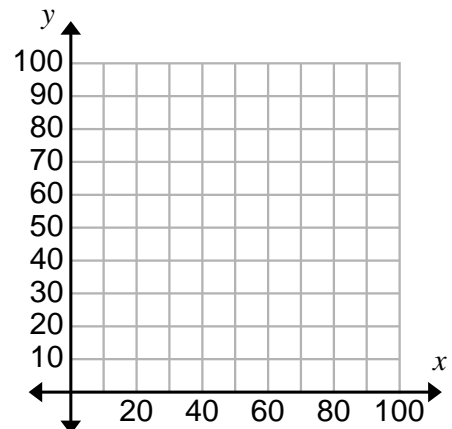


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Constructing & Interpreting Scatter Plots #2 (page 2)

- 2) The owner of a diner wanted to find out if outside temperature affects soup sales. The table and scatter plot show a sample of data that the owner collected.

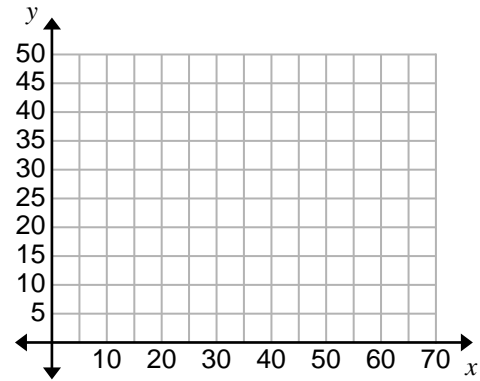
Temperature (in °F)	30	32	35	40	40	45	54	60	64	68
Bowls of Soup Sold	8	50	42	42	38	28	22	15	16	5

a) Plot these data points on the coordinate grid. Label the graph.

b) Is there an association between the outside temperature and soup sales? (positive, negative, or no association)

c) If there is an association (or correlation), would you say it is strong or weak?

d) Are there any outliers in the data?



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