Bellwork:

Perform the following operations:

1)
$$-2\frac{7}{12} \div 7\frac{5}{8}$$

$$(2) 4 \frac{2}{5} \left(-2 \frac{3}{5}\right)$$

1) 
$$-2\frac{7}{12} \div 7\frac{5}{8}$$
 2)  $4\frac{2}{5}\left(-2\frac{3}{5}\right)$  3)  $-1\frac{7}{13} + \left(-2\frac{1}{2}\right)$ 

4) Determine whether the given points are on the graph.

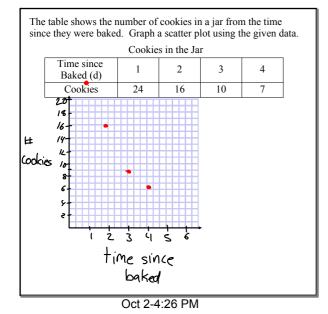
$$y = 7x - 2$$
; (1, 5) and (2, 10)

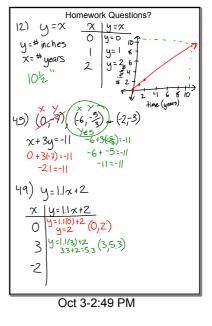
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Chapter 3.5(a) Scatter Plots and Trend Lines

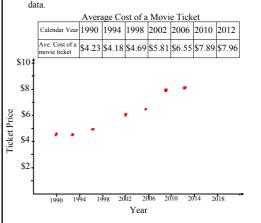
Create and interpret scatter plots. Use trend lines to make predictions.

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Scatter Plot is a graph with points to show a possible relationship between two sets of data. The table shows the average cost in movie tickets for the last 20 years. Graph a scatter plot using the given



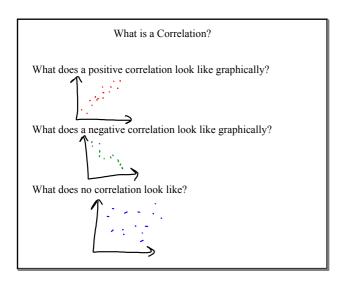
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Correlation: describes the relationship between two data sets.

Let's Review positive, negative and no correlation.

- Work with your partner (person sitting next to you)
- Determine what is a correlation and which graph represents a positive, negative or no correlation.
- · Discuss Findings with the whole class.

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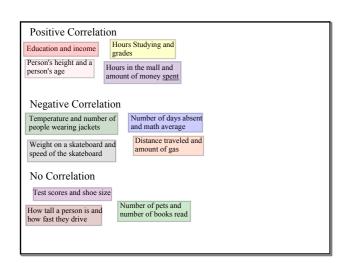


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Work with your partner
 determine what kind of correlation the following relationships have
 be able to defend your answer, why is it positive, negative or no correlation

When you finish think about what quantity in the relationship depends on the other.

What type of correlation do the following relationships have?



years years years years

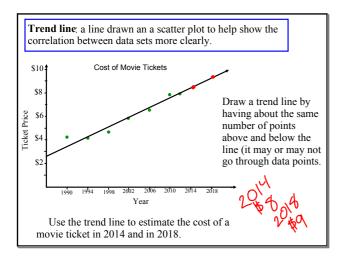
Choose the scatter plot that best represents the

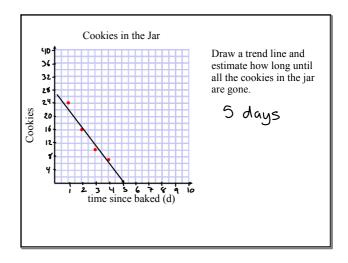
money spent each year on repairs. Explain.

relationship between the age of a car and the amount of

Match the scatter plots to situations:

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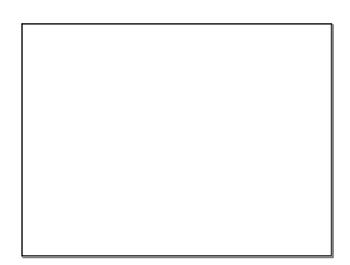




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Scatter Plots and Trend Lines WS Measure your height and wingspan in inches



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