Name:_____

Scatter Plot Line of Best Fit- PRACTICE

Part I. *GRAPH the points in the table & LABEL the axes.   Then, draw your LINE OF BEST FIT. Finally, identify the resulting CORRELATION and EXPLAIN what it means based on the scenario.*
Part II: Determine the EQUATION (in slope-intercept form) of your line of best fit
Part III: Use your equation to answer the follow up question. Be sure your answer is in a complete sentence.
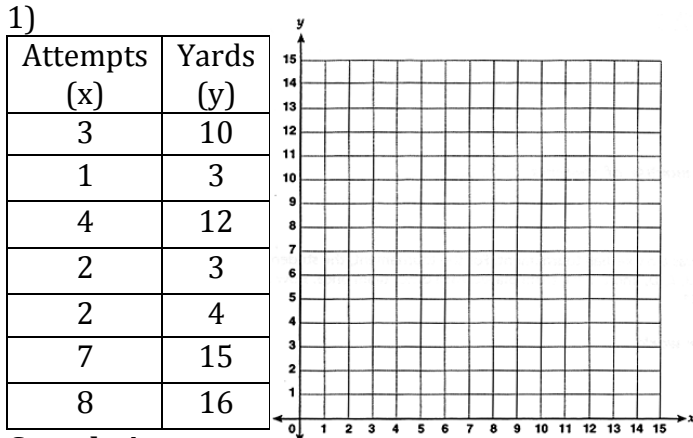
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1)

Attempts (x)	Yards (y)
3	10
1	3
4	12
2	3
2	4
7	15
8	16

Correlation
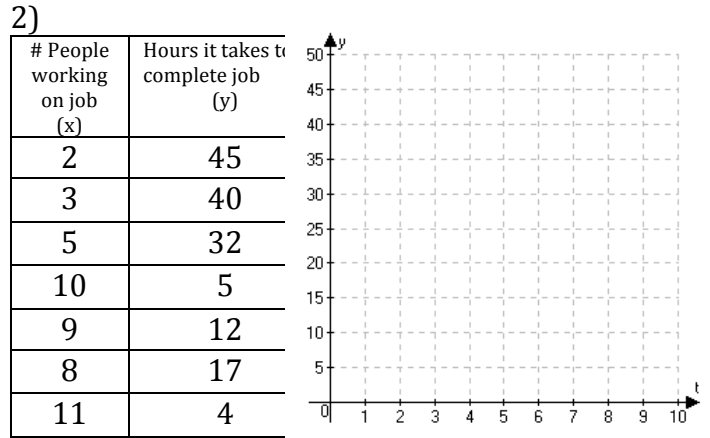**(CIRCLE one):**   Positive   Negative   None

Explanation:_____

_____

Equation:
a) Pick 2 Points on you line: _____

b) Calculate slope (m): _____

c) Solve for y-intercept (b): _____

Equation (y=mx+b): _____

Follow Up Question: Approximately how many yards would the running back drive after 15 running attempts?

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2)

# People working on job (x)	Hours it takes to complete job (y)
2	45
3	40
5	32
10	5
9	12
8	17
11	4

Correlation
(CIRCLE one):   Positive   Negative   None

Explanation:_____

_____

Equation:
a) Pick 2 Points on you line: _____

b) Calculate slope (m): _____

c) Solve for y-intercept (b): _____

Equation (y=mx+b): _____

Follow Up Question: About how many hours would it take a crew of 6 people to complete a job?