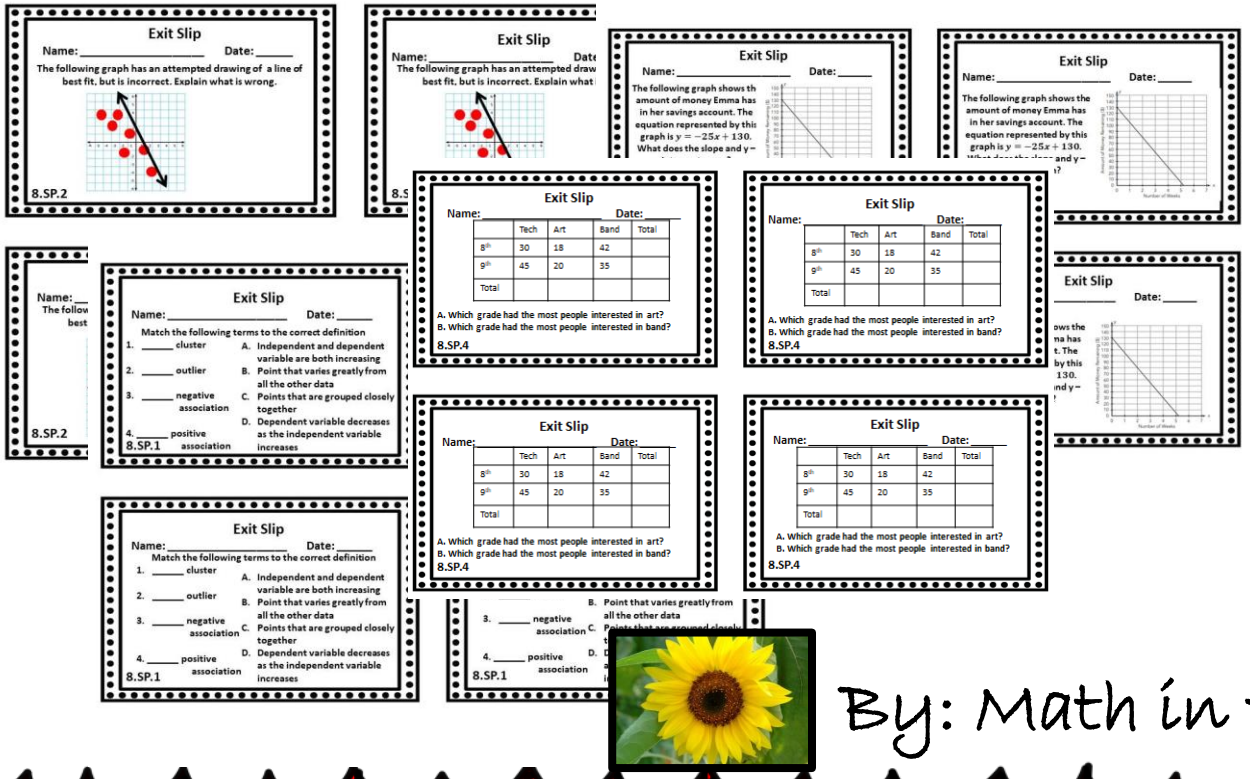
8th Grade Math CCSS
Exit Slips
Statistics & Probability



8.SP.1

8.SP.2

8.SP.3

8.SP.4

By: Math in the Midwest

Exit Slip

Name: _____ Date: _____

Match the following terms to the correct definition

1. _____ cluster
2. _____ outlier
3. _____ negative association
4. _____ positive association

A. Independent and dependent variable are both increasing
B. Point that varies greatly from all the other data
C. Points that are grouped closely together
D. Dependent variable decreases as the independent variable increases

8.SP.1

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8.SP.1

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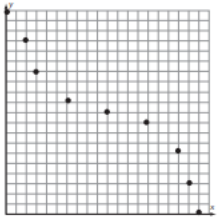
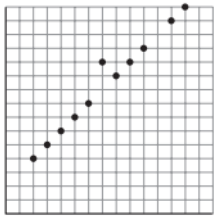
Name: _____ Date: _____

Determine whether the following scatterplots have a linear or non-linear association





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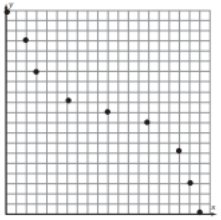

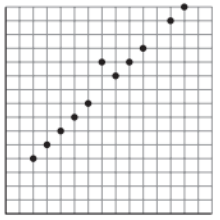

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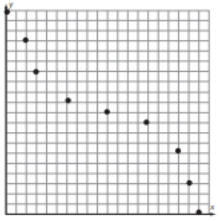

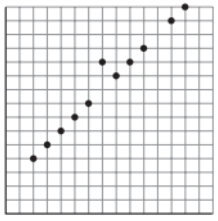

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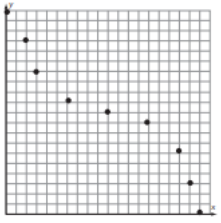

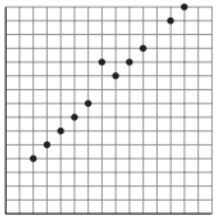

8.SP.1

Exit Slip

Name: _____ Date: _____

The table shows the amount of time students spend doing homework per week and their overall GPA in school.

Time(hours)	4	6	10	15
GPA	1.8	2.0	2.9	3.4

A. Identify the independent and dependent variables

B. What relationship seems to exist between time studied and the GPA? _____

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On the back of the exit slip construct a scatterplot of the given information. Be sure to label the graph.

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B. Is there a positive or negative association?

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Exit Slip

Name: _____ Date: _____

Explain how you can determine if a scatterplot shows a linear, non-linear, or no association.

8.SP.1

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Name: _____ Date: _____

Explain how you can determine if a scatterplot shows a positive association or a negative association.

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Explain how you can determine if a scatterplot an outlier. Give a visual example of a scatterplot that has an outlier.

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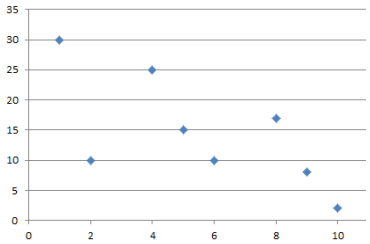
Determine if the following scatterplot shows a linear or nonlinear relationship and if the relationship is linear is it positive, negative, or neither.



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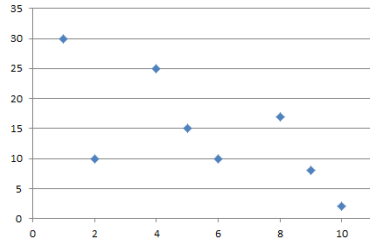

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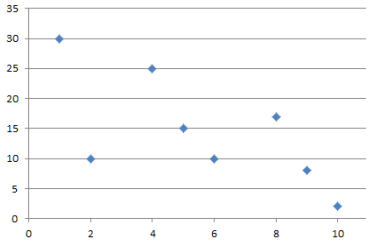

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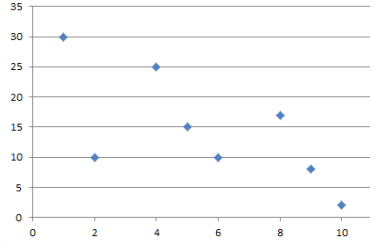

8.SP.1

Exit Slip

Name: _____ Date: _____

Explain in your own words how to construct a line of best fit.

8.SP.2

Exit Slip

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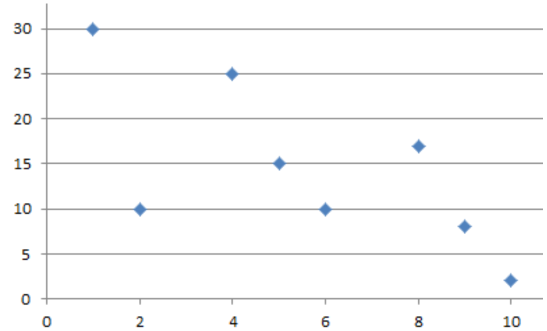

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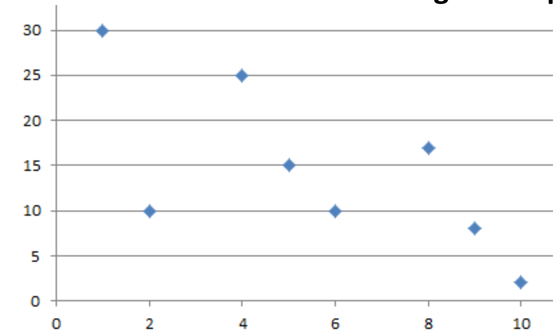

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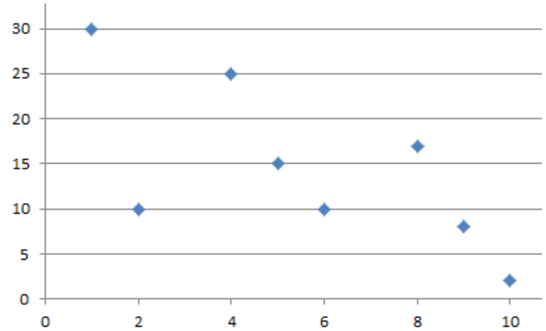

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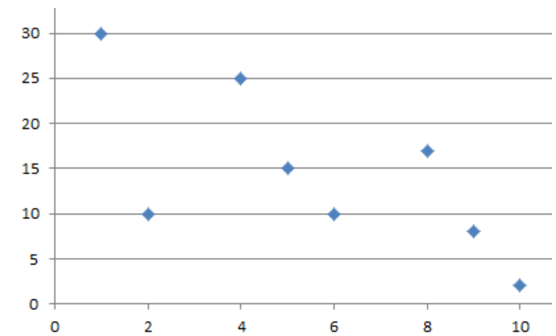

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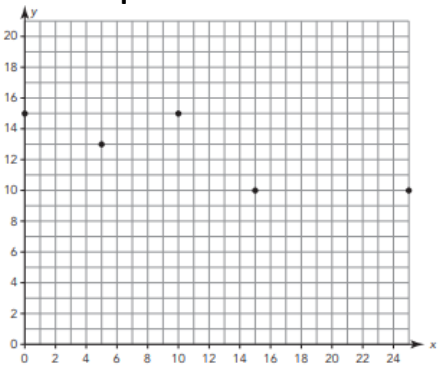
Name: _____ **Date:** _____

Determine the equation of the line of best fit.



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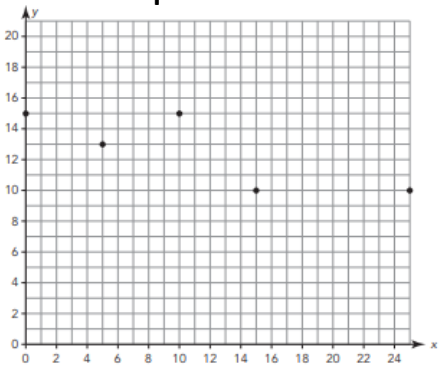

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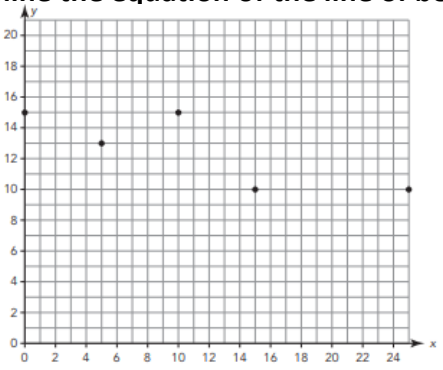

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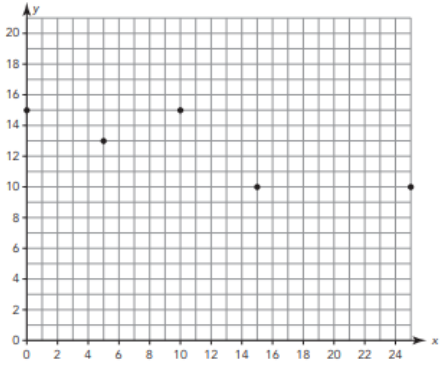

8.SP.2

Exit Slip

Name: _____ Date: _____

Fill in the blanks

A line of best fit is a _____ line that is close to as many _____ as possible. A line of best fit can be used to make _____ about the data.

8.SP.2

Exit Slip

Name: _____ Date: _____

Fill in the blanks

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Fill in the blanks

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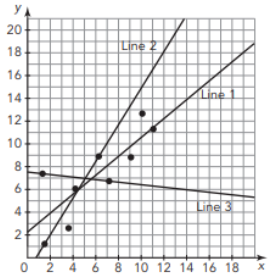
8.SP.2

Exit Slip

Name: _____ **Date:** _____

Which line best represents the line of best fit. Explain your reasoning.



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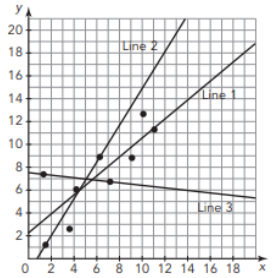

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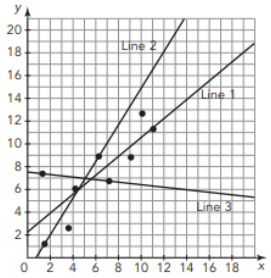

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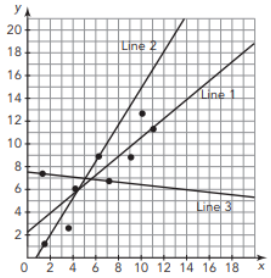

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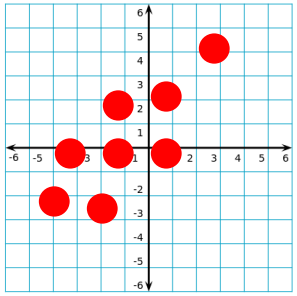

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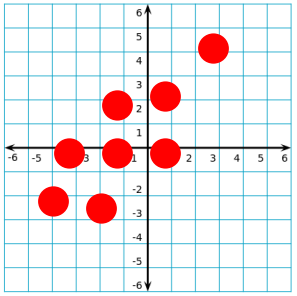

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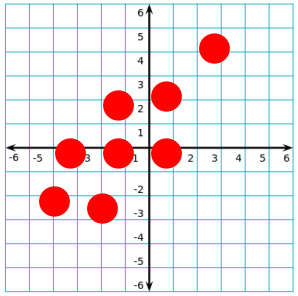

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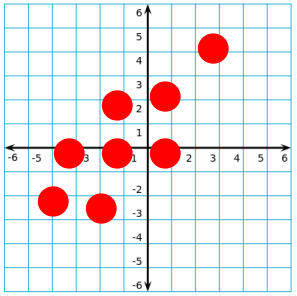

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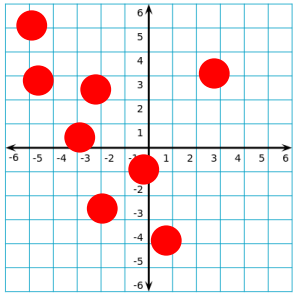

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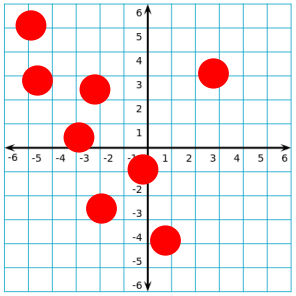

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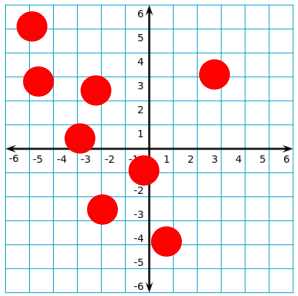

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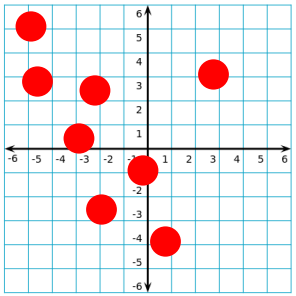

8.SP.2

Exit Slip

Name: _____ Date: _____

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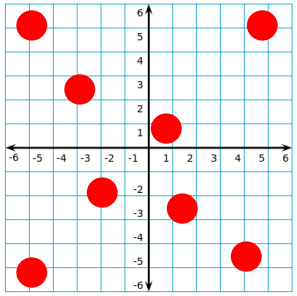

8.SP.2

Exit Slip

Name: _____ Date: _____

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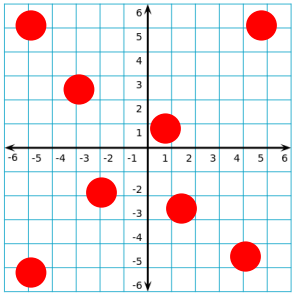

8.SP.2

Exit Slip

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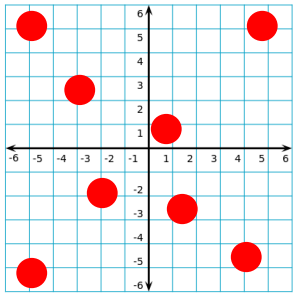

8.SP.2

Exit Slip

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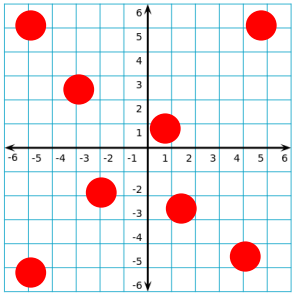
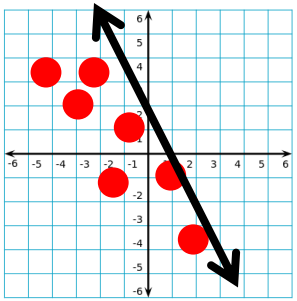


8.SP.2

Exit Slip

Name: _____ Date: _____

The following graph has an attempted drawing of a line of best fit, but is incorrect. Explain what is wrong.



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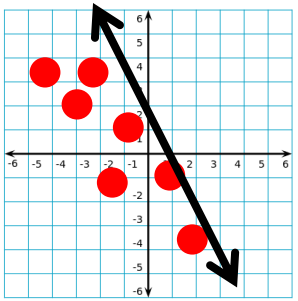

8.SP.2

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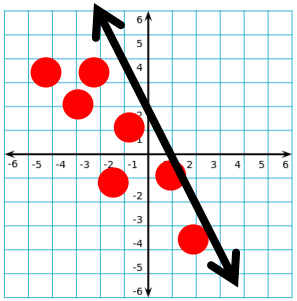

8.SP.2

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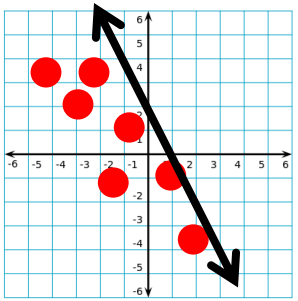

8.SP.2

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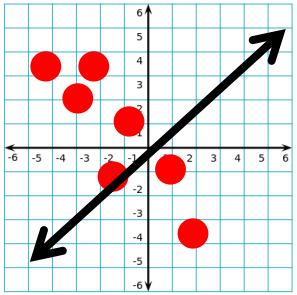

8.SP.2

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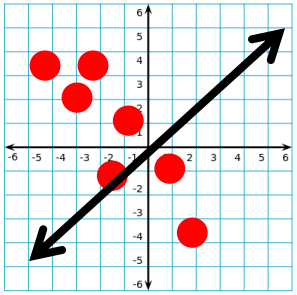

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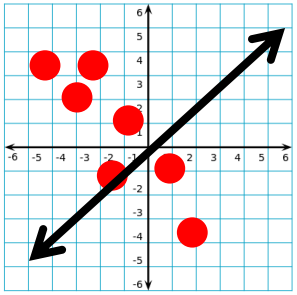

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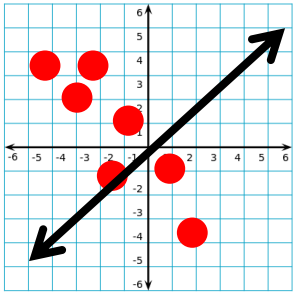

8.SP.2

Exit Slip

Name: _____ Date: _____

Which of the following equations about data could represent a negative linear association?

A. $y = -2x + 4$

B. $y = 3x - 1$

C. $-y = 0.2x - 5$

D. $-y = -1.3x + 4$

8.SP.3

Exit Slip

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8.SP.3

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8.SP.3

Exit Slip

Name: _____ Date: _____

Which of the following equations about data could represent a positive linear association?

A. $y = -2x + 4$

B. $y = 3x - 1$

C. $-y = 0.2x - 5$

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8.SP.3

Exit Slip

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8.SP.3

Exit Slip

Name: _____ Date: _____

Alex recorded the growth of a plant over 10 weeks. The equation $y = 0.32x + 5$ represent the height (y) in inches over the time (x) in weeks. How tall would the plant be after 4 weeks?

8.SP.3

Exit Slip

Name: _____ Date: _____

Alex recorded the growth of a plant over 10 weeks. The equation $y = 0.32x + 5$ represent the height (y) in inches over the time (x) in weeks. How tall would the plant be after 4 weeks?

8.SP.3

Exit Slip

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8.SP.3

Exit Slip

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8.SP.3

Exit Slip

Name: _____ Date: _____

Explain the difference between interpolating and extrapolating when making predictions from a line of best fit.

8.SP.3

Exit Slip

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8.SP.3

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8.SP.3

Exit Slip

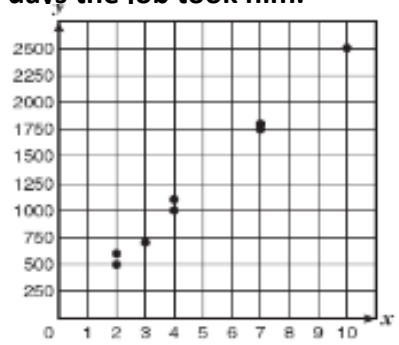
Name: _____ **Date:** _____

The scatterplot shows the earnings a landscaper makes depending on how many days the job took him.

How much money will the landscaper make if he works for:

1 day: _____

10 days: _____



8.SP.3

Exit Slip

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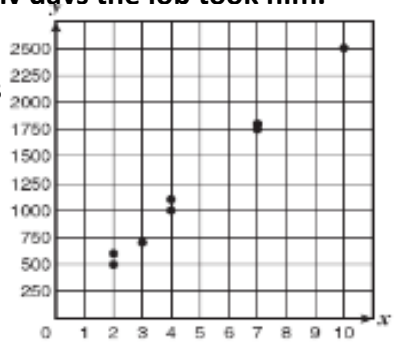

8.SP.3

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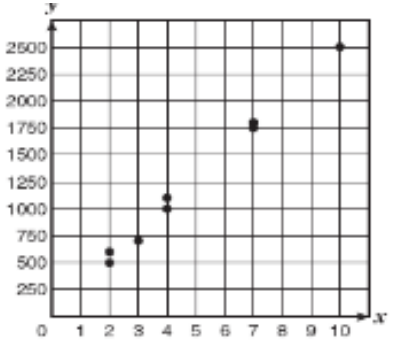

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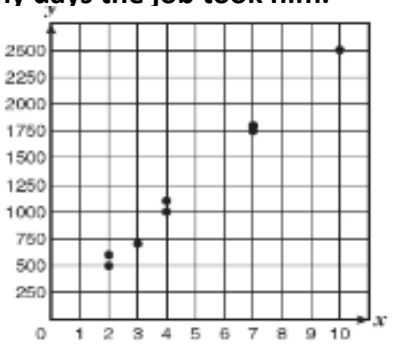
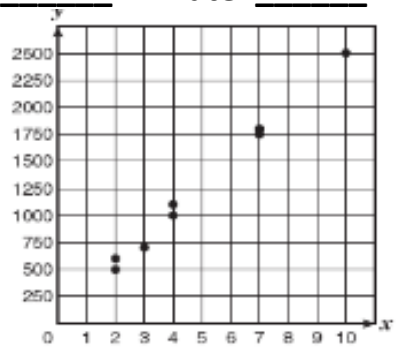


8.SP.3

Exit Slip

Name: _____ **Date:** _____

Explain in your own words what the y – intercept of this graph would be and what it means in terms of a landscaper making money versus how many days he works.



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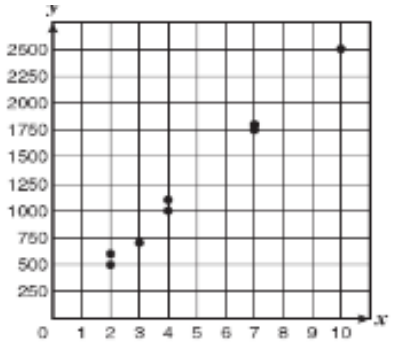

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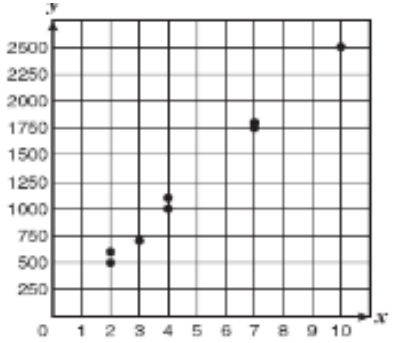

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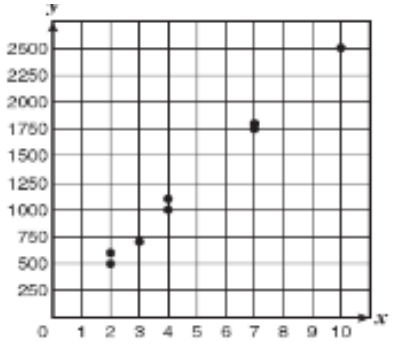
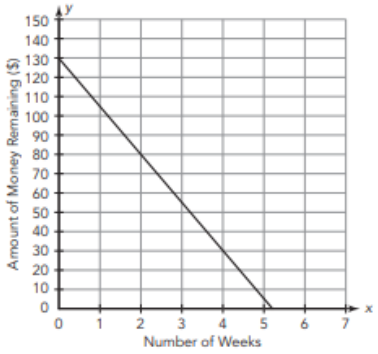


8.SP.3

Exit Slip

Name: _____ **Date:** _____

The following graph shows the amount of money Emma has in her savings account. The equation represented by this graph is $y = -25x + 130$. What does the slope and y – intercept mean?



8.SP.3

Exit Slip

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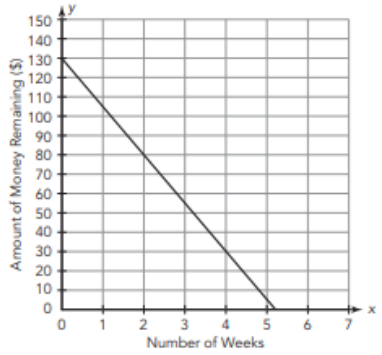

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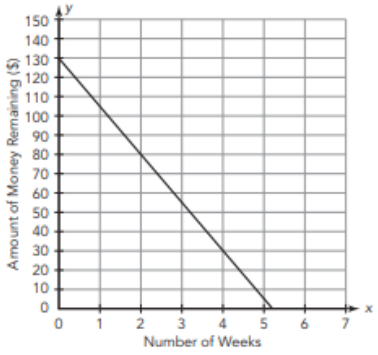

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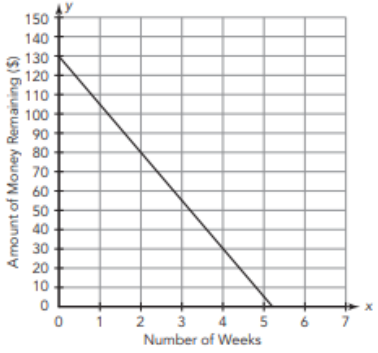
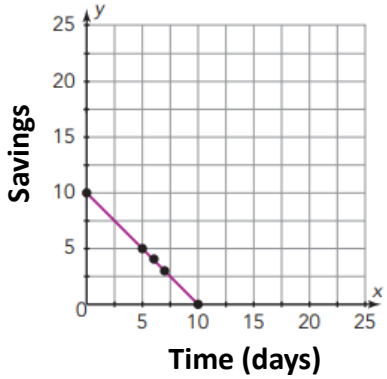


8.SP.3

Exit Slip

Name: _____ Date: _____

Write a scenario that could be modeled by the data and line of best fit shown.



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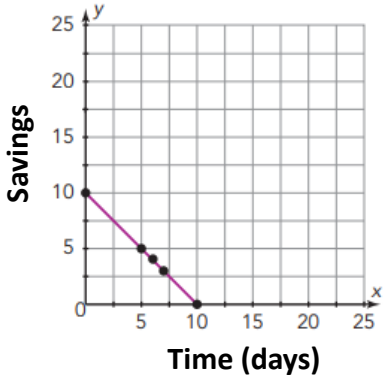

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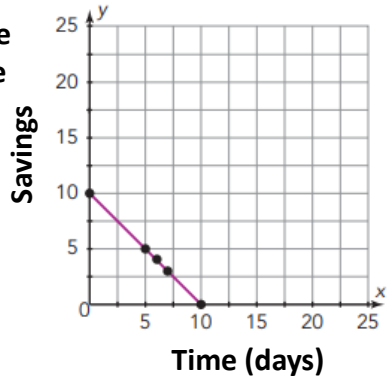

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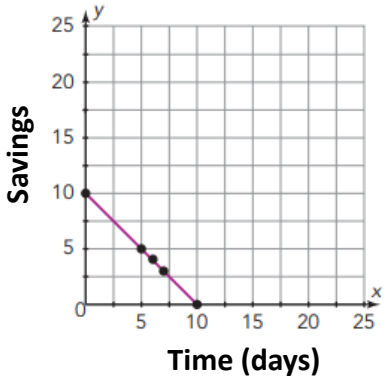
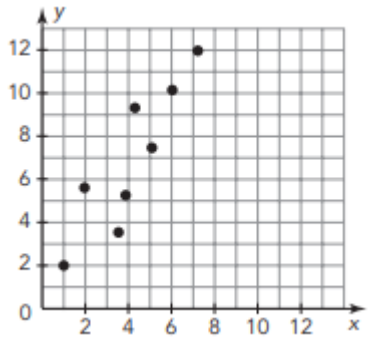


8.SP.3

Exit Slip

Name: _____ **Date:** _____

Interpret the slope and y – intercept of the following scatterplot



8.SP.3

Exit Slip

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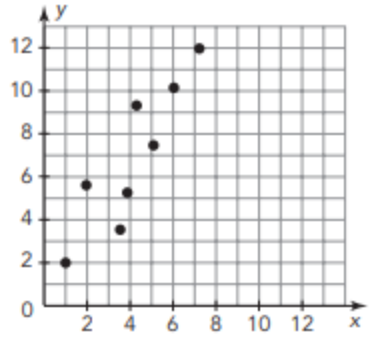

8.SP.3

Exit Slip

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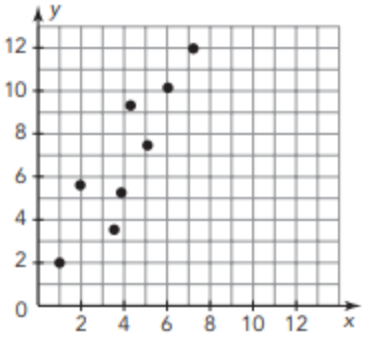

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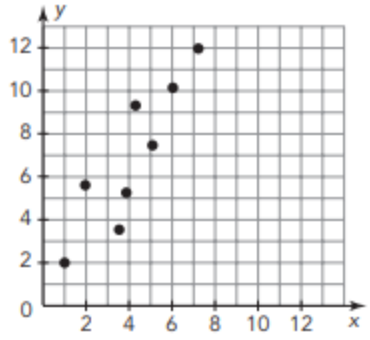
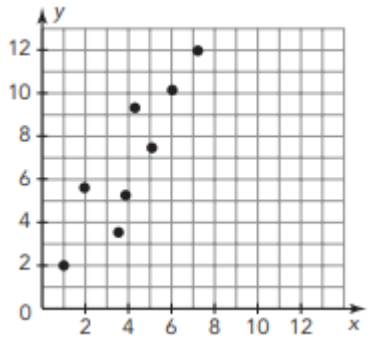


8.SP.3

Exit Slip

Name: _____ **Date:** _____

Create a scenario of the following scatter plot. Label the x and y axis and describe what the point (1, 2) represents in the scenario.



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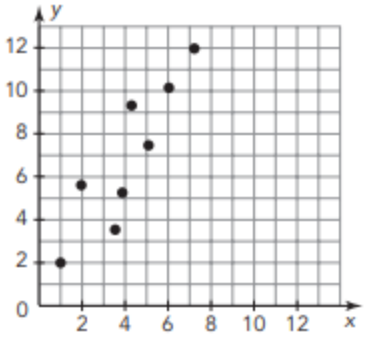

8.SP.3

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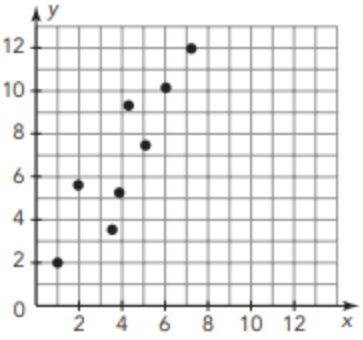

8.SP.3

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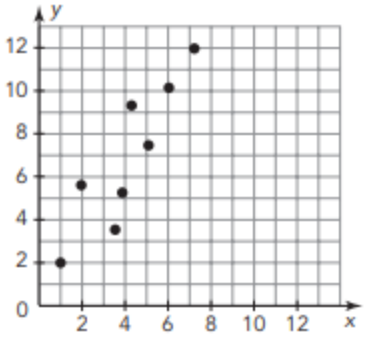

8.SP.3

Exit Slip

Name: _____ Date: _____

Match the following words to the correct definition.

1. _____ Categorical Data
2. _____ Frequency
3. _____ Relative Frequency

A. Number of times a variable appears in a data set
B. Data that can be grouped into categories
C. Percent or Proportion of observations within a category of a data set

8.SP.4

Exit Slip

Name: _____ Date: _____

Match the following words to the correct definition.

1. _____ Categorical Data
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3. _____ Relative Frequency

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8.SP.4

Exit Slip

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2. _____ Frequency
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B. Data that can be grouped into categories
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8.SP.4

Exit Slip

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B. Data that can be grouped into categories
C. Percent or Proportion of observations within a category of a data set

8.SP.4

Exit Slip

Name: _____ Date: _____

Explain the difference between numerical data and categorical data

8.SP.4

Exit Slip

Name: _____ Date: _____

Explain the difference between numerical data and categorical data

8.SP.4

Exit Slip

Name: _____ Date: _____

Explain the difference between numerical data and categorical data

8.SP.4

Exit Slip

Name: _____ Date: _____

Explain the difference between numerical data and categorical data

8.SP.4

Exit Slip

Name: _____ Date: _____

Explain what a relative frequency of categorical data is and how to find it.

8.SP.4

Exit Slip

Name: _____ Date: _____

Explain what a relative frequency of categorical data is and how to find it.

8.SP.4

Exit Slip

Name: _____ Date: _____

Explain what a relative frequency of categorical data is and how to find it.

8.SP.4

Exit Slip

Name: _____ Date: _____

Explain what a relative frequency of categorical data is and how to find it.

8.SP.4

Exit Slip

Name: _____ **Date: _____**

	Pets	No Pets	Total
Male	5	12	
Female	12	7	
Total			

Complete the two way frequency table and write one conclusion from the data.

8.SP.4

Exit Slip

Name: _____ **Date: _____**

	Pets	No Pets	Total
Male	5	12	
Female	12	7	
Total			

Complete the two way frequency table and write one conclusion from the data.

8.SP.4

Exit Slip

Name: _____ **Date: _____**

	Pets	No Pets	Total
Male	5	12	
Female	12	7	
Total			

Complete the two way frequency table and write one conclusion from the data.

8.SP.4

Exit Slip

Name: _____ **Date: _____**

	Pets	No Pets	Total
Male	5	12	
Female	12	7	
Total			

Complete the two way frequency table and write one conclusion from the data.

8.SP.4

Exit Slip

Name: _____ Date: _____

	Pets	No Pets	Total
Male	5	12	
Female	12	7	
Total			

True or False

1. **_____ There are more males shown in the table**
2. **_____ The females have more pets than the males.**

8.SP.4

Exit Slip

Name: _____ Date: _____

	Pets	No Pets	Total
Male	5	12	
Female	12	7	
Total			

True or False

1. **_____ There are more males shown in the table**
2. **_____ The females have more pets than the males.**

8.SP.4

Exit Slip

Name: _____ Date: _____

	Pets	No Pets	Total
Male	5	12	
Female	12	7	
Total			

True or False

1. **_____ There are more males shown in the table**
2. **_____ The females have more pets than the males.**

8.SP.4

Exit Slip

Name: _____ Date: _____

	Pets	No Pets	Total
Male	5	12	
Female	12	7	
Total			

True or False

1. **_____ There are more males shown in the table**
2. **_____ The females have more pets than the males.**

8.SP.4

Exit Slip

Name: _____ Date: _____

	Pets	No Pets	Total
Male	5	12	
Female	12	7	
Total			

1. **How many total people are represented?**
2. **How many more females are represented than males?**

8.SP.4

Exit Slip

Name: _____ Date: _____

	Pets	No Pets	Total
Male	5	12	
Female	12	7	
Total			

1. **How many total people are represented?**
2. **How many more females are represented than males?**

8.SP.4

Exit Slip

Name: _____ Date: _____

	Pets	No Pets	Total
Male	5	12	
Female	12	7	
Total			

1. **How many total people are represented?**
2. **How many more females are represented than males?**

8.SP.4

Exit Slip

Name: _____ Date: _____

	Pets	No Pets	Total
Male	5	12	
Female	12	7	
Total			

1. **How many total people are represented?**
2. **How many more females are represented than males?**

8.SP.4

Exit Slip

Name: _____ **Date:** _____

	Pets	No Pets	Total
Male	5	12	
Female	12	7	
Total			

1. **Interpret each of the relative frequencies for each category:**

Males:

Females:

8.SP.4

Exit Slip

Name: _____ **Date:** _____

	Pets	No Pets	Total
Male	5	12	
Female	12	7	
Total			

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8.SP.4

Exit Slip

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8.SP.4

Exit Slip

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	Pets	No Pets	Total
Male	5	12	
Female	12	7	
Total			

1. **Interpret each of the relative frequencies for each category:**

Males:

Females:

8.SP.4

Exit Slip

Name: _____ **Date:** _____

	Tech	Art	Band	Total
8th	30	18	42	
9th	45	20	35	
Total				

A. Which grade had the most people interested in art?
B. Which grade had the most people interested in band?

8.SP.4

Exit Slip

Name: _____ **Date:** _____

	Tech	Art	Band	Total
8th	30	18	42	
9th	45	20	35	
Total				

A. Which grade had the most people interested in art?
B. Which grade had the most people interested in band?

8.SP.4

Exit Slip

Name: _____ **Date:** _____

	Tech	Art	Band	Total
8th	30	18	42	
9th	45	20	35	
Total				

A. Which grade had the most people interested in art?
B. Which grade had the most people interested in band?

8.SP.4

Exit Slip

Name: _____ **Date:** _____

	Tech	Art	Band	Total
8th	30	18	42	
9th	45	20	35	
Total				

A. Which grade had the most people interested in art?
B. Which grade had the most people interested in band?

8.SP.4

Exit Slip

Name: _____ **Date:** _____

	Tech	Art	Band	Total
8th	30	18	42	
9th	45	20	35	
Total				

Which grade had the greatest percentage of people who preferred technology?

8.SP.4

Exit Slip

Name: _____ **Date:** _____

	Tech	Art	Band	Total
8th	30	18	42	
9th	45	20	35	
Total				

Which grade had the greatest percentage of people who preferred technology?

8.SP.4

Exit Slip

Name: _____ **Date:** _____

	Tech	Art	Band	Total
8th	30	18	42	
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8.SP.4

Exit Slip

Name: _____ **Date:** _____

	Tech	Art	Band	Total
8th	30	18	42	
9th	45	20	35	
Total				

If you could only choose two classes to be offered for 8th and 9th grade what would they be and why?

8.SP.4

Exit Slip

Name: _____ **Date:** _____

	Tech	Art	Band	Total
8th	30	18	42	
9th	45	20	35	
Total				

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8.SP.4

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8th	30	18	42	
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If you could only choose two classes to be offered for 8th and 9th grade what would they be and why?

8.SP.4

Answer Keys

Exit Slip

Name: _____ Date: _____

Match the following terms to the correct definition

1. C cluster
2. B outlier
3. D negative association
4. A positive association

A. Independent and dependent variable are both increasing
B. Point that varies greatly from all the other data
C. Points that are grouped closely together
D. Dependent variable decreases as the independent variable increases

8.SP.1

Exit Slip

Name: _____ Date: _____

Match the following terms to the correct definition

1. C cluster
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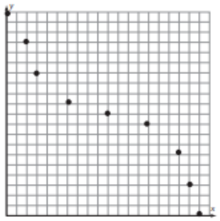
A. Independent and dependent variable are both increasing
B. Point that varies greatly from all the other data
C. Points that are grouped closely together
D. Dependent variable decreases as the independent variable increases

8.SP.1

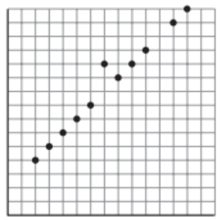
Exit Slip

Name: ______________________ Date: _______

Determine whether the following scatterplots have a linear or non-linear association



Non-linear



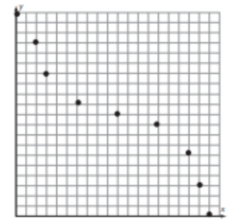
Linear

8.SP.1

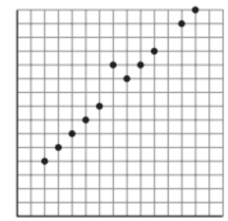
Exit Slip

Name: ______________________ Date: _______

Determine whether the following scatterplots have a linear or non-linear association



Non-linear



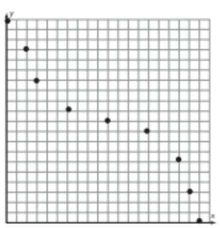
Linear

8.SP.1

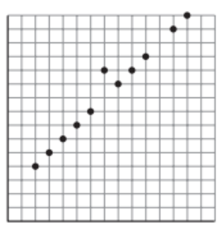
Exit Slip

Name: ______________________ Date: _______

Determine whether the following scatterplots have a linear or non-linear association



Non-linear



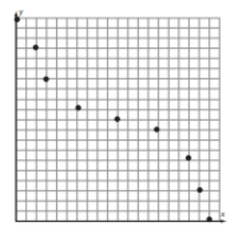
Linear

8.SP.1

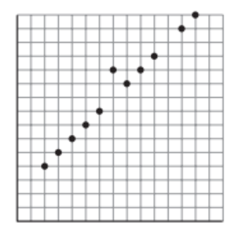
Exit Slip

Name: ______________________ Date: _______

Determine whether the following scatterplots have a linear or non-linear association



Non-linear



Linear

8.SP.1

Exit Slip

Name: _____ **Date:** _____

The table shows the amount of time students spend doing homework per week and their overall GPA in school.

Ind
Dep

Time(hours)	4	6	10	15
GPA	1.8	2.0	2.9	3.4

A. **Identify the independent and dependent variables**

B. **What relationship seems to exist between time studied and the GPA?** Positive linear

8.SP.1

Exit Slip

Name: _____ **Date:** _____

The table shows the amount of time students spend doing homework per week and their overall GPA in school.

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Dep

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Exit Slip

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Name: _____ Date: _____

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Time(hours)	4	6	10	15
GPA	1.8	2.0	2.9	3.4

On the back of the exit slip construct a scatterplot of the given information. Be sure to label the graph.

8.SP.1

Exit Slip

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GPA	1.8	2.0	2.9	3.4

On the back of the exit slip construct a scatterplot of the given information. Be sure to label the graph.

8.SP.1

Exit Slip

Name: ______________________ Date: _______

The table shows the amount of time students spend doing homework per week and their overall GPA in school.

Time(hours)	4	6	10	15
GPA	1.8	2.0	2.9	3.4

A. Does there appear to be a linear or non-linear association? **Linear**

B. Is there a positive or negative association? **positive**

8.SP.1

Exit Slip

Name: ______________________ Date: _______

The table shows the amount of time students spend doing homework per week and their overall GPA in school.

Time(hours)	4	6	10	15
GPA	1.8	2.0	2.9	3.4

A. Does there appear to be a linear or non-linear association? **Linear**

B. Is there a positive or negative association? **positive**

8.SP.1

Exit Slip

Name: ______________________ Date: _______

The table shows the amount of time students spend doing homework per week and their overall GPA in school.

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A. Does there appear to be a linear or non-linear association? **Linear**

B. Is there a positive or negative association? **positive**

8.SP.1

Exit Slip

Name: ______________________ Date: _______

The table shows the amount of time students spend doing homework per week and their overall GPA in school.

Time(hours)	4	6	10	15
GPA	1.8	2.0	2.9	3.4

A. Does there appear to be a linear or non-linear association? **Linear**

B. Is there a positive or negative association? **positive**

8.SP.1

Exit Slip

Name: _____ **Date:** _____

The table shows the amount of time students spend doing homework per week and their overall GPA in school.

Time(hours)	4	6	10	15
GPA	3.0	2.0	2.9	3.4

A. Does there appear to be a potential outlier? If so, explain why it is a potential outlier.

(4, 3.0) because it varies greatly from the other data points

8.SP.1

Exit Slip

Name: _____ **Date:** _____

The table shows the amount of time students spend doing homework per week and their overall GPA in school.

Time(hours)	4	6	10	15
GPA	3.0	2.0	2.9	3.4

A. Does there appear to be a potential outlier? If so, explain why it is a potential outlier.

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8.SP.1

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Name: _____ **Date:** _____

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A. Does there appear to be a potential outlier? If so, explain why it is a potential outlier.

(4, 3.0) because it varies greatly from the other data points

8.SP.1

Exit Slip

Name: _____ Date: _____

Explain how you can determine if a scatterplot shows a linear, non-linear, or no association.

Answers will vary

8.SP.1

Exit Slip

Name: _____ Date: _____

Explain how you can determine if a scatterplot shows a linear, non-linear, or no association.

Answers will vary

8.SP.1

Exit Slip

Name: _____ Date: _____

Explain how you can determine if a scatterplot shows a linear, non-linear, or no association.

Answers will vary

8.SP.1

Exit Slip

Name: _____ Date: _____

Explain how you can determine if a scatterplot shows a linear, non-linear, or no association.

Answers will vary

8.SP.1

Exit Slip

Name: _____ Date: _____

Explain how you can determine if a scatterplot shows a positive association or a negative association.

Answers will vary

8.SP.1

Exit Slip

Name: _____ Date: _____

Explain how you can determine if a scatterplot shows a positive association or a negative association.

Answers will vary

8.SP.1

Exit Slip

Name: _____ Date: _____

Explain how you can determine if a scatterplot shows a positive association or a negative association.

Answers will vary

8.SP.1

Exit Slip

Name: _____ Date: _____

Explain how you can determine if a scatterplot shows a positive association or a negative association.

Answers will vary

8.SP.1

Exit Slip

Name: _____ Date: _____

Explain how you can determine if a scatterplot an outlier. Give a visual example of a scatterplot that has an outlier.

Answers will vary

8.SP.1

Exit Slip

Name: _____ Date: _____

Explain how you can determine if a scatterplot an outlier. Give a visual example of a scatterplot that has an outlier.

Answers will vary

8.SP.1

Exit Slip

Name: _____ Date: _____

Explain how you can determine if a scatterplot an outlier. Give a visual example of a scatterplot that has an outlier.

Answers will vary

8.SP.1

Exit Slip

Name: _____ Date: _____

Explain how you can determine if a scatterplot an outlier. Give a visual example of a scatterplot that has an outlier.

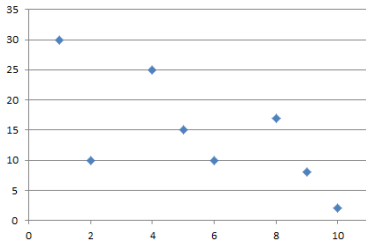
Answers will vary

8.SP.1

Exit Slip

Name: _____ Date: _____

Determine if the following scatterplot shows a linear or nonlinear relationship and if the relationship is linear is it positive, negative, or neither.



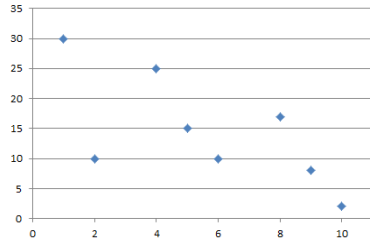
Linear
Negative Association

8.SP.1

Exit Slip

Name: _____ Date: _____

Determine if the following scatterplot shows a linear or nonlinear relationship and if the relationship is linear is it positive, negative, or neither.



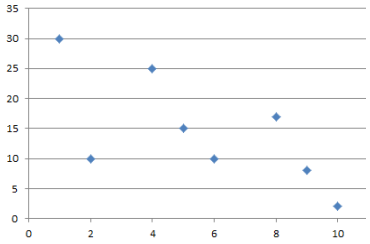
Linear
Negative Association

8.SP.1

Exit Slip

Name: _____ Date: _____

Determine if the following scatterplot shows a linear or nonlinear relationship and if the relationship is linear is it positive, negative, or neither.



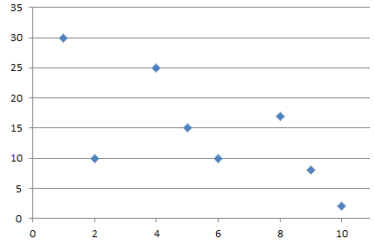
Linear
Negative Association

8.SP.1

Exit Slip

Name: _____ Date: _____

Determine if the following scatterplot shows a linear or nonlinear relationship and if the relationship is linear is it positive, negative, or neither.



Linear
Negative Association

8.SP.1

Exit Slip

Name: _____ Date: _____

Explain in your own words how to construct a line of best fit.

Answers will vary

8.SP.2

Exit Slip

Name: _____ Date: _____

Explain in your own words how to construct a line of best fit.

Answers will vary

8.SP.2

Exit Slip

Name: _____ Date: _____

Explain in your own words how to construct a line of best fit.

Answers will vary

8.SP.2

Exit Slip

Name: _____ Date: _____

Explain in your own words how to construct a line of best fit.

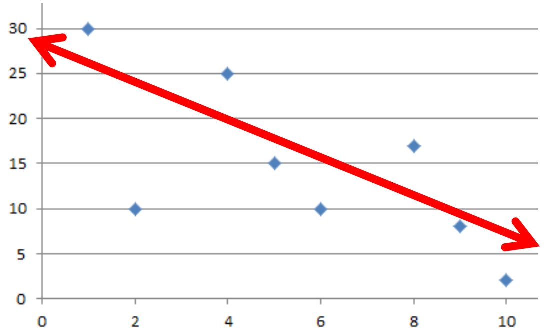
Answers will vary

8.SP.2

Exit Slip

Name: ______________________ Date: _______

Draw a line of best fit for the following scatterplot.

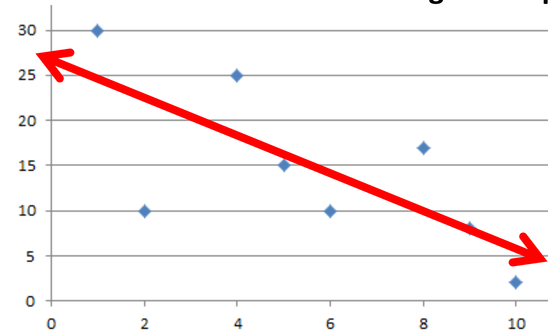


8.SP.2

Exit Slip

Name: ______________________ Date: _______

Draw a line of best fit for the following scatterplot.

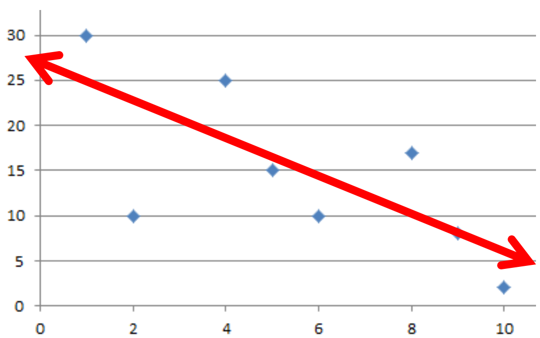


8.SP.2

Exit Slip

Name: ______________________ Date: _______

Draw a line of best fit for the following scatterplot.

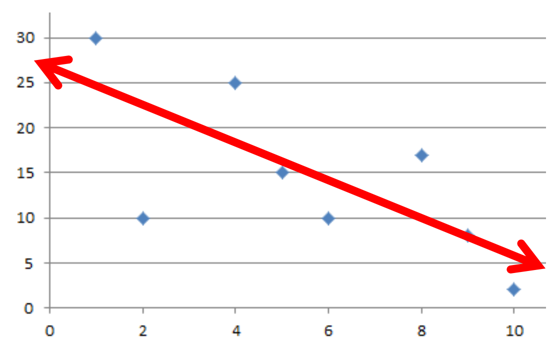


8.SP.2

Exit Slip

Name: ______________________ Date: _______

Draw a line of best fit for the following scatterplot.

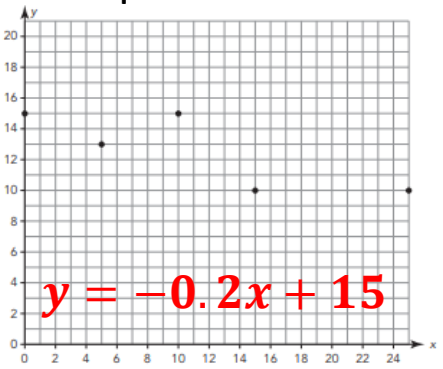


8.SP.2

Exit Slip

Name: _____ Date: _____

Determine the equation of the line of best fit.



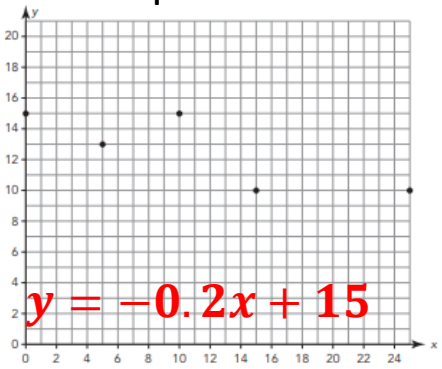
$y = -0.2x + 15$

8.SP.2

Exit Slip

Name: _____ Date: _____

Determine the equation of the line of best fit.



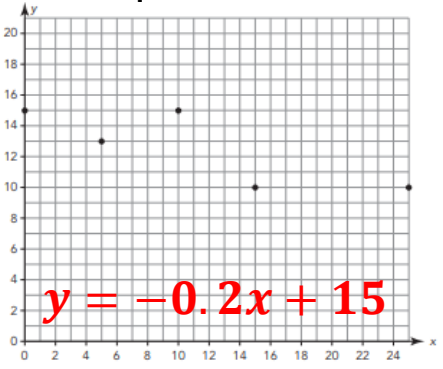
$y = -0.2x + 15$

8.SP.2

Exit Slip

Name: _____ Date: _____

Determine the equation of the line of best fit.



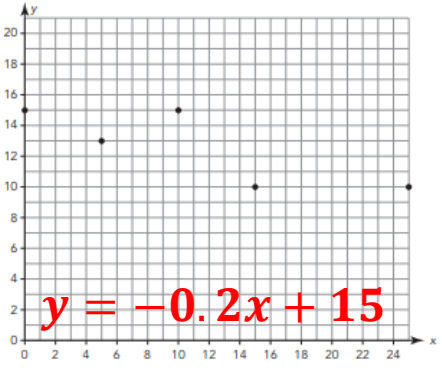
$y = -0.2x + 15$

8.SP.2

Exit Slip

Name: _____ Date: _____

Determine the equation of the line of best fit.



$y = -0.2x + 15$

8.SP.2

Exit Slip

Name: _____ Date: _____

Fill in the blanks

A line of best fit is a straight line that is close to as many points as possible. A line of best fit can be used to make predications about the data.

8.SP.2

Exit Slip

Name: _____ Date: _____

Fill in the blanks

A line of best fit is a straight line that is close to as many points as possible. A line of best fit can be used to make predications about the data.

8.SP.2

Exit Slip

Name: _____ Date: _____

Fill in the blanks

A line of best fit is a straight line that is close to as many points as possible. A line of best fit can be used to make predications about the data.

8.SP.2

Exit Slip

Name: _____ Date: _____

Fill in the blanks

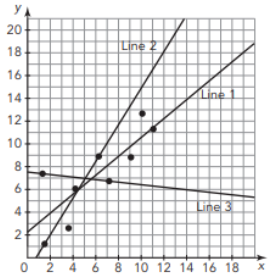
A line of best fit is a straight line that is close to as many points as possible. A line of best fit can be used to make predications about the data.

8.SP.2

Exit Slip

Name: _____ Date: _____

Which line best represents the line of best fit. Explain your reasoning.



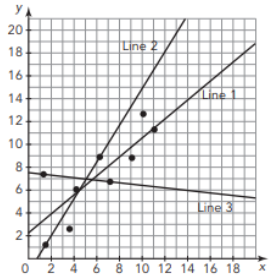
Line 1, explanations will vary

8.SP.2

Exit Slip

Name: _____ Date: _____

Which line best represents the line of best fit. Explain your reasoning.



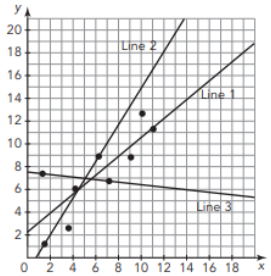
Line 1, explanations will vary

8.SP.2

Exit Slip

Name: _____ Date: _____

Which line best represents the line of best fit. Explain your reasoning.



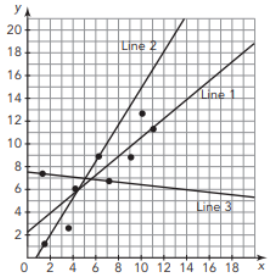
Line 1, explanations will vary

8.SP.2

Exit Slip

Name: _____ Date: _____

Which line best represents the line of best fit. Explain your reasoning.



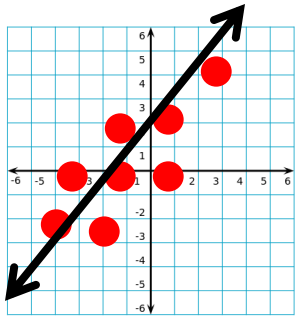
Line 1, explanations will vary

8.SP.2

Exit Slip

Name: _____ Date: _____

Construct a line of best fit for the following scatterplot

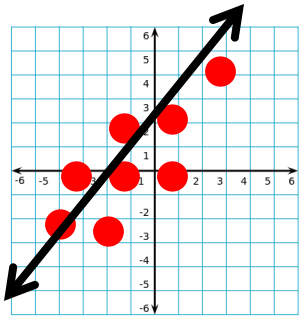


8.SP.2

Exit Slip

Name: _____ Date: _____

Construct a line of best fit for the following scatterplot

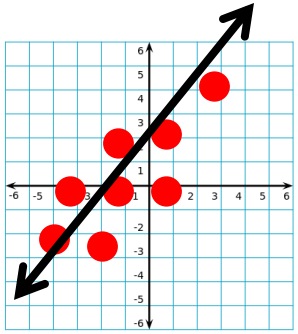


8.SP.2

Exit Slip

Name: _____ Date: _____

Construct a line of best fit for the following scatterplot

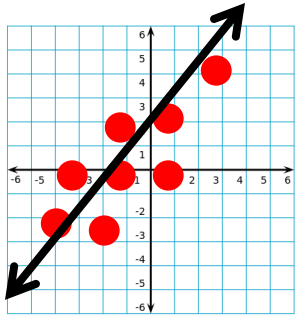


8.SP.2

Exit Slip

Name: _____ Date: _____

Construct a line of best fit for the following scatterplot

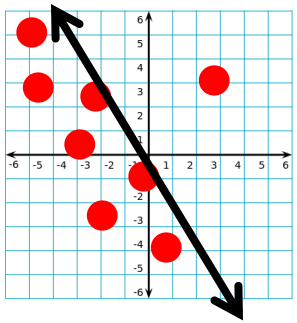


8.SP.2

Exit Slip

Name: _____ Date: _____

Construct a line of best fit for the following scatterplot

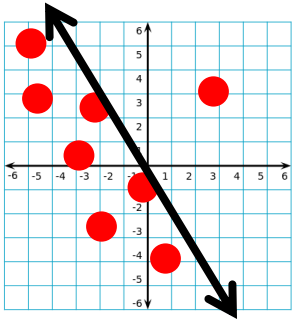


8.SP.2

Exit Slip

Name: _____ Date: _____

Construct a line of best fit for the following scatterplot

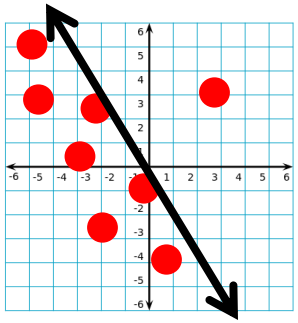


8.SP.2

Exit Slip

Name: _____ Date: _____

Construct a line of best fit for the following scatterplot



8.SP.2

Exit Slip

Name: _____ Date: _____

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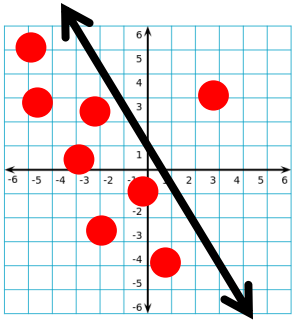
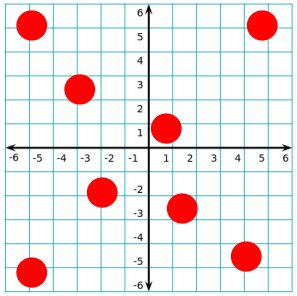


8.SP.2

Exit Slip

Name: _____ Date: _____

Construct a line of best fit for the following scatterplot



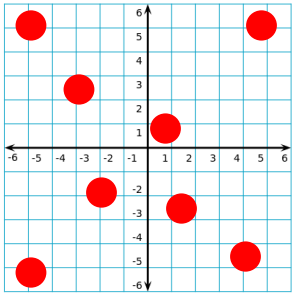
No association

8.SP.2

Exit Slip

Name: _____ Date: _____

Construct a line of best fit for the following scatterplot



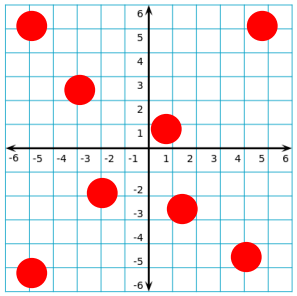
No association

8.SP.2

Exit Slip

Name: _____ Date: _____

Construct a line of best fit for the following scatterplot



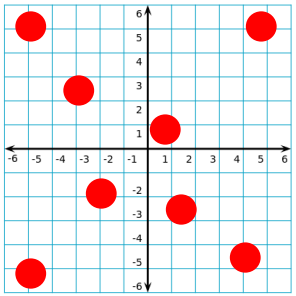
No association

8.SP.2

Exit Slip

Name: _____ Date: _____

Construct a line of best fit for the following scatterplot



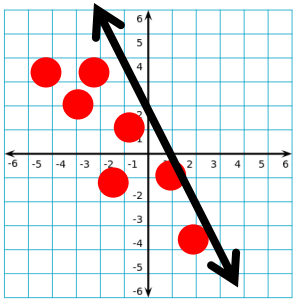
No association

8.SP.2

Exit Slip

Name: _____ Date: _____

The following graph has an attempted drawing of a line of best fit, but is incorrect. Explain what is wrong.



Answers will vary

8.SP.2

Exit Slip

Name: _____ Date: _____

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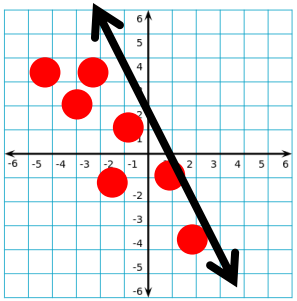

Answers will vary

8.SP.2

Exit Slip

Name: _____ Date: _____

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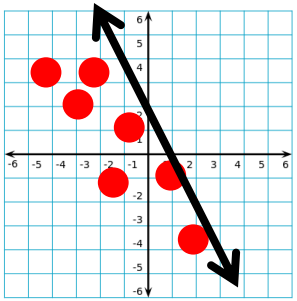


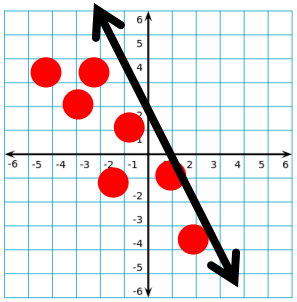
Answers will vary

8.SP.2

Exit Slip

Name: _____ Date: _____

The following graph has an attempted drawing of a line of best fit, but is incorrect. Explain what is wrong.



Answers will vary

8.SP.2

Exit Slip

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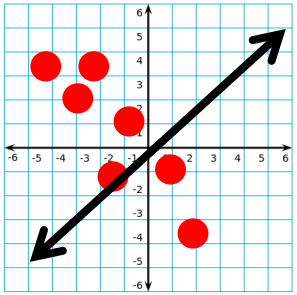

Answers will vary

8.SP.2

Exit Slip

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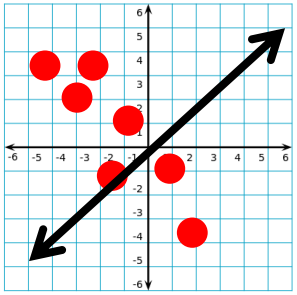

Answers will vary

8.SP.2

Exit Slip

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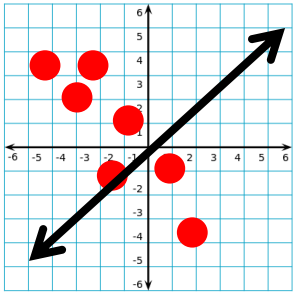

Answers will vary

8.SP.2

Exit Slip

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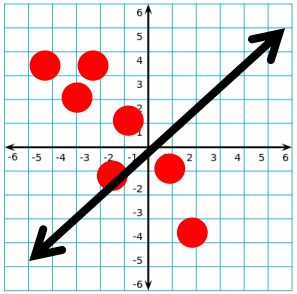

Answers will vary

8.SP.2

Exit Slip

Name: _____ Date: _____

Which of the following equations about data could represent a negative linear association?

A. $y = -2x + 4$

B. $y = 3x - 1$

C. $-y = 0.2x - 5$

D. $-y = -1.3x + 4$

8.SP.3

Exit Slip

Name: _____ Date: _____

Which of the following equations about data could represent a negative linear association?

A. $y = -2x + 4$

B. $y = 3x - 1$

C. $-y = 0.2x - 5$

D. $-y = -1.3x + 4$

8.SP.3

Exit Slip

Name: _____ Date: _____

Which of the following equations about data could represent a negative linear association?

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B. $y = 3x - 1$

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8.SP.3

Exit Slip

Name: _____ Date: _____

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B. $y = 3x - 1$

C. $-y = 0.2x - 5$

D. $-y = -1.3x + 4$

8.SP.3

Exit Slip

Name: _____ Date: _____

Which of the following equations about data could represent a positive linear association?

A. $y = -2x + 4$

B. $y = 3x - 1$

C. $-y = 0.2x - 5$

D. $-y = -1.3x + 4$

8.SP.3

Exit Slip

Name: _____ Date: _____

Which of the following equations about data could represent a positive linear association?

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B. $y = 3x - 1$

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D. $-y = -1.3x + 4$

8.SP.3

Exit Slip

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8.SP.3

Exit Slip

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A. $y = -2x + 4$

B. $y = 3x - 1$

C. $-y = 0.2x - 5$

D. $-y = -1.3x + 4$

8.SP.3

Exit Slip

Name: _____ Date: _____

Alex recorded the growth of a plant over 10 weeks. The equation $y = 0.32x + 5$ represent the height (y) in inches over the time (x) in weeks. How tall would the plant be after 4 weeks?

6.28 inches

8.SP.3

Exit Slip

Name: _____ Date: _____

Alex recorded the growth of a plant over 10 weeks. The equation $y = 0.32x + 5$ represent the height (y) in inches over the time (x) in weeks. How tall would the plant be after 4 weeks?

6.28 inches

8.SP.3

Exit Slip

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8.SP.3

Exit Slip

Name: _____ Date: _____

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6.28 inches

8.SP.3

Exit Slip

Name: _____ Date: _____

Explain the difference between interpolating and extrapolating when making predictions from a line of best fit.

Answers will vary

8.SP.3

Exit Slip

Name: _____ Date: _____

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8.SP.3

Exit Slip

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Answers will vary

8.SP.3

Exit Slip

Name: _____ Date: _____

Explain the difference between interpolating and extrapolating when making predictions from a line of best fit.

Answers will vary

8.SP.3

Exit Slip

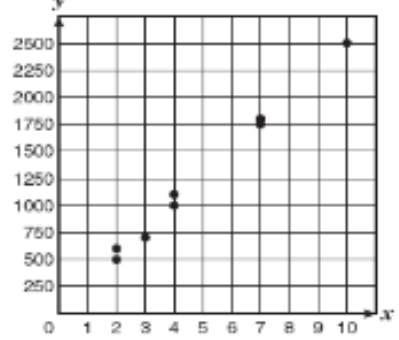
Name: _____ Date: _____

The scatterplot shows the earnings a landscaper makes depending on how many days the job took him.

How much money will the landscaper make if he works for:

1 day: $250

10 days: $2500



8.SP.3

Exit Slip

Name: _____ Date: _____

The scatterplot shows the earnings a landscaper makes depending on how many days the job took him.

How much money will the landscaper make if he works for:

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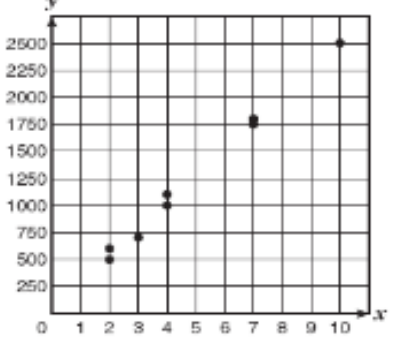

8.SP.3

Exit Slip

Name: _____ Date: _____

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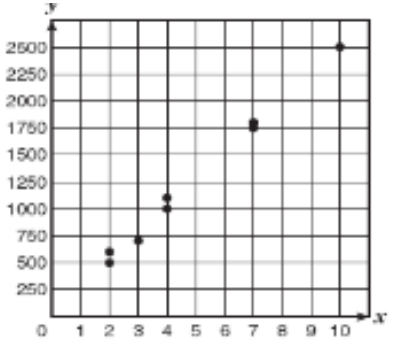

8.SP.3

Exit Slip

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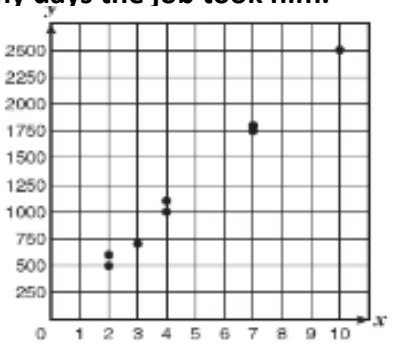
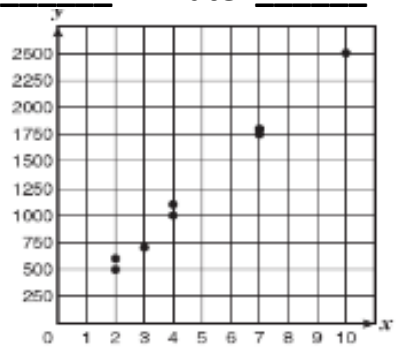


8.SP.3

Exit Slip

Name: _____ **Date:** _____

Explain in your own words what the y – intercept of this graph would be and what it means in terms of a landscaper making money versus how many days he works.



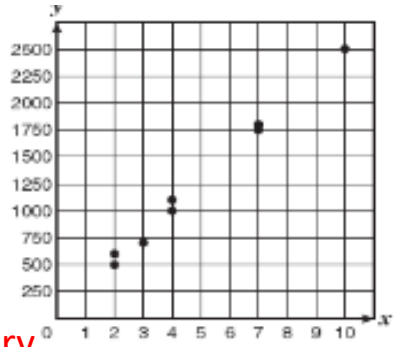
Answers will vary

8.SP.3

Exit Slip

Name: _____ **Date:** _____

Explain in your own words what the y – intercept of this graph would be and what it means in terms of a landscaper making money versus how many days he works.



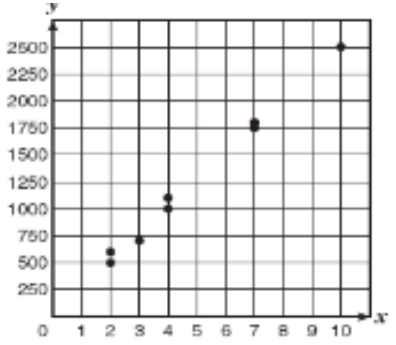
Answers will vary

8.SP.3

Exit Slip

Name: _____ **Date:** _____

Explain in your own words what the y – intercept of this graph would be and what it means in terms of a landscaper making money versus how many days he works.



8.SP.3 Answers will vary

Exit Slip

Name: _____ **Date:** _____

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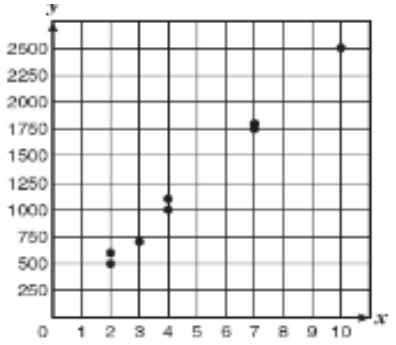


8.SP.3 Answers will vary

Exit Slip

Name: _____ Date: _____

The following graph shows the amount of money Emma has in her savings account. The equation represented by this graph is $y = -25x + 130$. What does the slope and y – intercept mean?

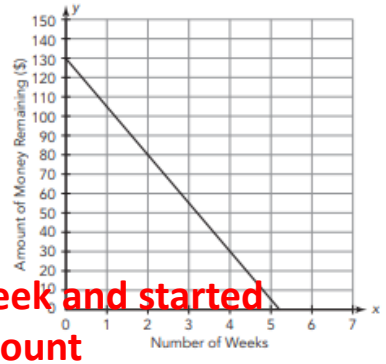
Losing 25 per week and started with $130 in account

8.SP.3

Exit Slip

Name: _____ Date: _____

The following graph shows the amount of money Emma has in her savings account. The equation represented by this graph is $y = -25x + 130$. What does the slope and y – intercept mean?



Losing 25 per week and started with $130 in account

8.SP.3

Exit Slip

Name: _____ Date: _____

The following graph shows the amount of money Emma has in her savings account. The equation represented by this graph is $y = -25x + 130$. What does the slope and y – intercept mean?

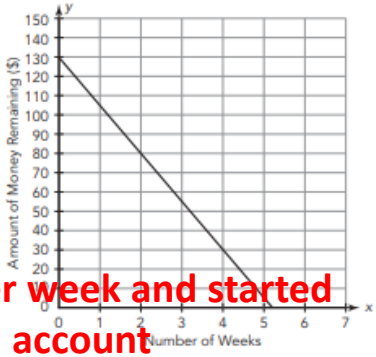
Losing 25 per week and started with $130 in account

8.SP.3

Exit Slip

Name: _____ Date: _____

The following graph shows the amount of money Emma has in her savings account. The equation represented by this graph is $y = -25x + 130$. What does the slope and y – intercept mean?



Losing 25 per week and started with $130 in account

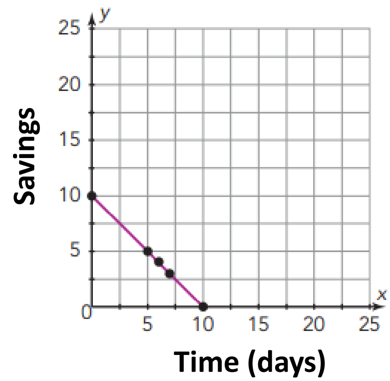
8.SP.3

Exit Slip

Name: ______________________ **Date:** ______

Write a scenario that could be modeled by the data and line of best fit shown.

Answers will vary



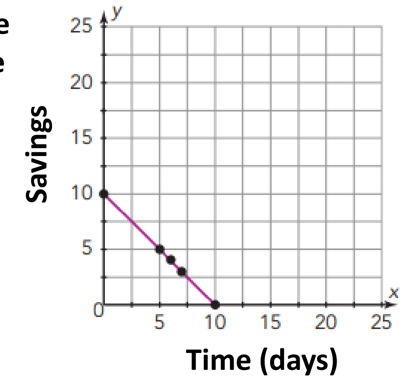
8.SP.3

Exit Slip

Name: ______________________ **Date:** ______

Write a scenario that could be modeled by the data and line of best fit shown.

Answers will vary



8.SP.3

Exit Slip

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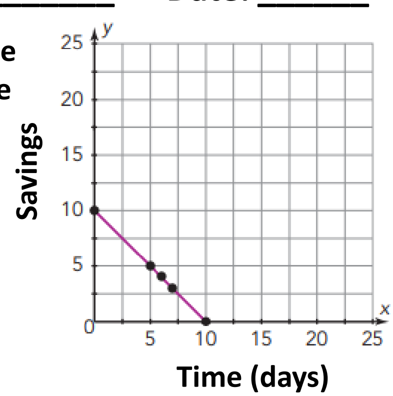

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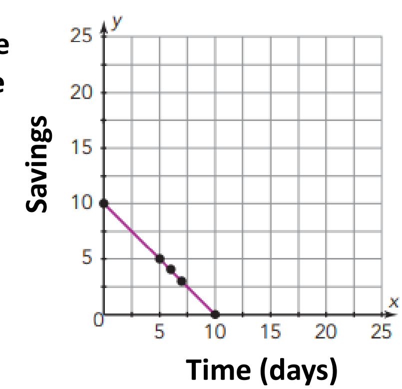
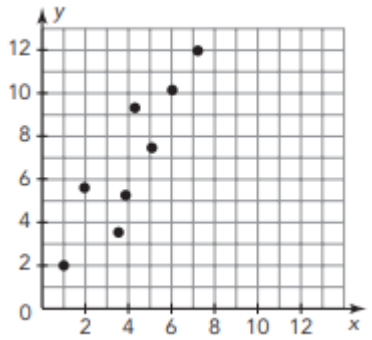


8.SP.3

Exit Slip

Name: _____ **Date:** _____

Interpret the slope and y – intercept of the following scatterplot



Answers will vary

8.SP.3

Exit Slip

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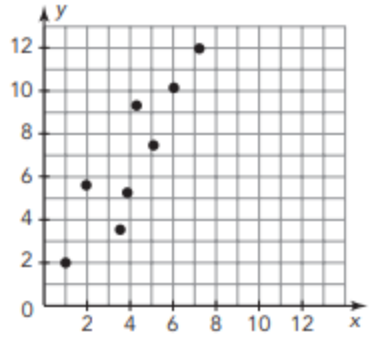

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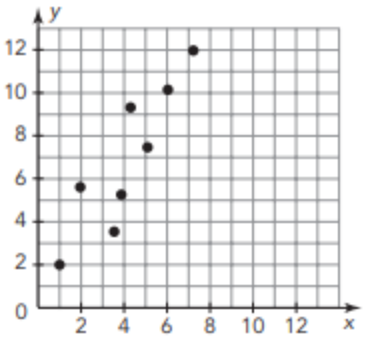

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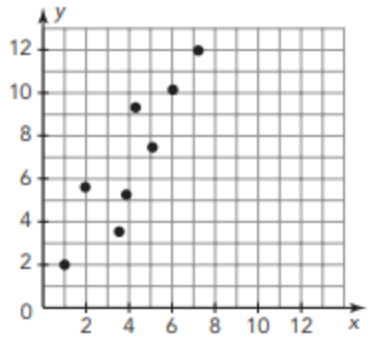


Answers will vary

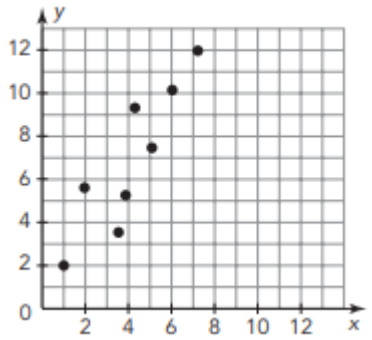
8.SP.3

Exit Slip

Name: _____ **Date:** _____

Create a scenario of the following scatter plot. Label the x and y axis and describe what the point (1, 2) represents in the scenario.

Answers will vary



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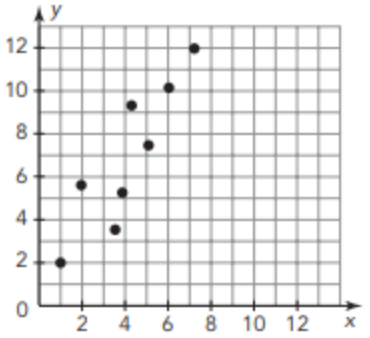

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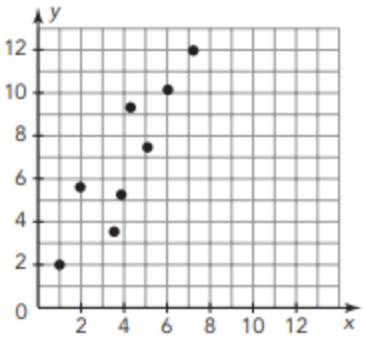

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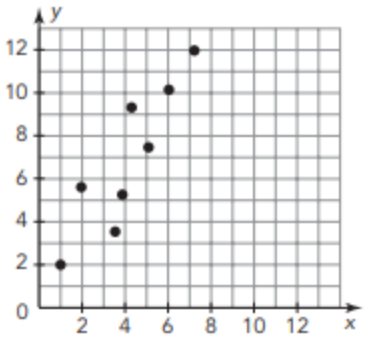

8.SP.3

Exit Slip

Name: _____ Date: _____

Match the following words to the correct definition.

1. B Categorical Data
2. A Frequency
3. C Relative Frequency

A. Number of times a variable appears in a data set
B. Data that can be grouped into categories
C. Percent or Proportion of observations within a category of a data set

8.SP.4

Exit Slip

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8.SP.4

Exit Slip

Name: _____ Date: _____

Explain the difference between numerical data and categorical data

Answers will vary

8.SP.4

Exit Slip

Name: _____ Date: _____

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Name: _____ Date: _____

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Answers will vary

8.SP.4

Exit Slip

Name: _____ Date: _____

Explain what a relative frequency of categorical data is and how to find it.

Answers will vary

8.SP.4

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8.SP.4

Exit Slip

Name: _____ **Date:** _____

	Pets	No Pets	Total
Male	5	12	17
Female	12	7	19
Total	17	19	36

Complete the two way frequency table and write one conclusion from the data.

8.SP.4

Exit Slip

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True or False

1. False **There are more males shown in the table**
2. True **The females have more pets than the males.**

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Exit Slip

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1. **How many total people are represented?**

   36

2. **How many more females are represented than males?** 2

8.SP.4

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8.SP.4

Exit Slip

Name: _____ **Date:** _____

	Pets	No Pets	Total
Male	$\frac{5}{17}$ =.29	$\frac{12}{17}$=.71	
Female	$\frac{12}{19}$ =. 63	$\frac{7}{19}$=.37	
Total			

1. **Interpret each of the relative frequencies for each category:**

Males:

Females:

8.SP.4

Exit Slip

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8.SP.4

Exit Slip

Name: _____ **Date:** _____

	Tech	Art	Band	Total
8th	30	18	42	
9th	45	20	35	
Total				

A. Which grade had the most people interested in art? 9
B. Which grade had the most people interested in band?8

8.SP.4

Exit Slip

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8.SP.4

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If you could only choose two classes to be offered for 8th and 9th grade what would they be and why?

8.SP.4 **Answers will vary**

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Thank you SO MUCH for purchasing this product!

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~Math in the Midwest