

Statistics & Probability

Task Cards 8.SP.2

20 Task Cards, Recording Sheet, Answer Sheet

8.SP.2

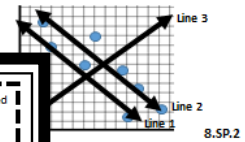
Know that straight lines are widely used to model relationships between two quantitative variables. For scatter plots that suggest a linear association, informally fit a straight line, and informally assess the model fit by judging the closeness of the data points to the line.



1 Fill in the blanks:

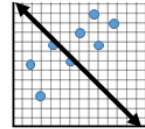
A line of best fit is a _____ line that is _____

2 Determine which line best represents the line of best fit:



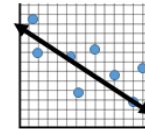
17

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



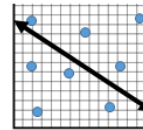
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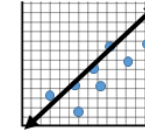
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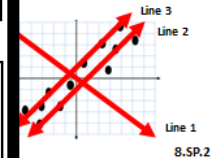


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Determine which line best represents the line of best fit:



Created by:
Math in the Midwest

8.SP.2



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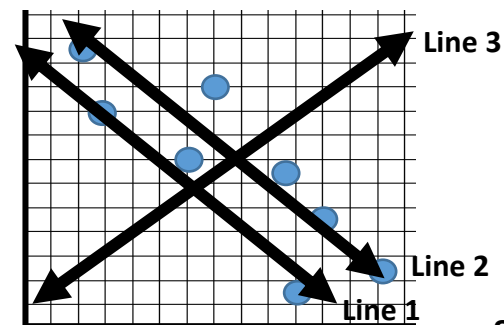
A line of best fit is a

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8.SP.2

2

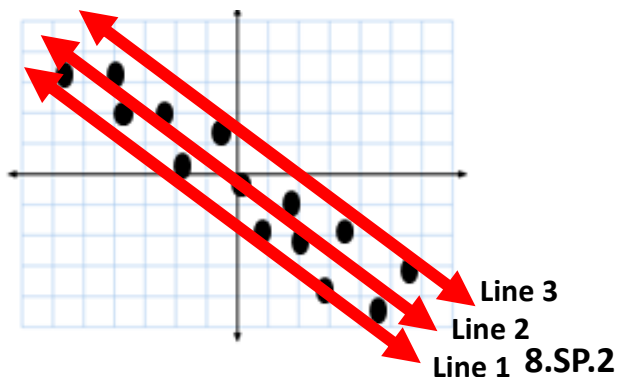
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8.SP.2

3

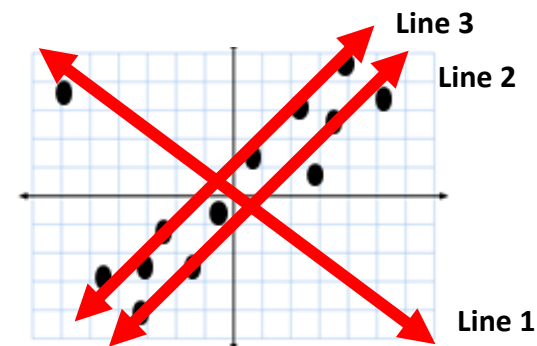
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8.SP.2

4

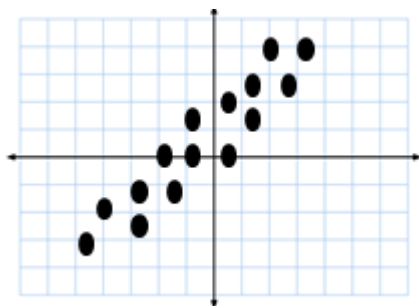
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8.SP.2

5

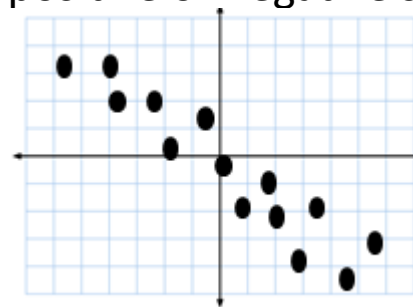
Determine if the line of best fit would have a positive or negative slope:



8.SP.2

6

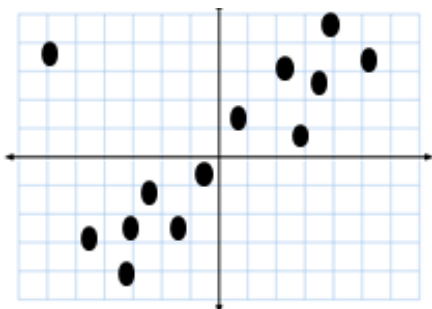
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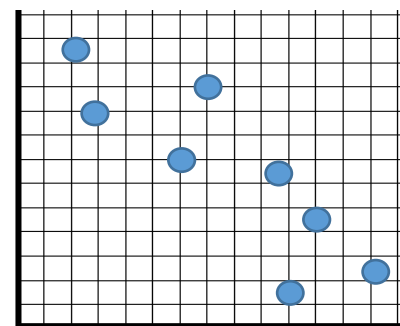
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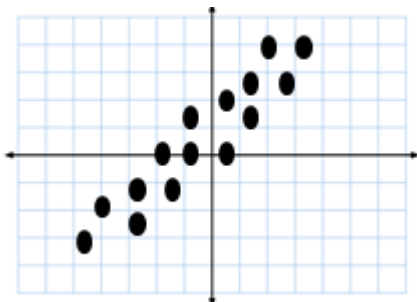
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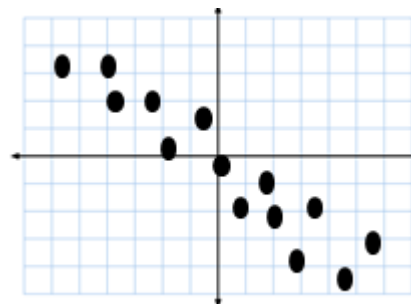
Determine an equation for the line of best fit:



8.SP.2

10

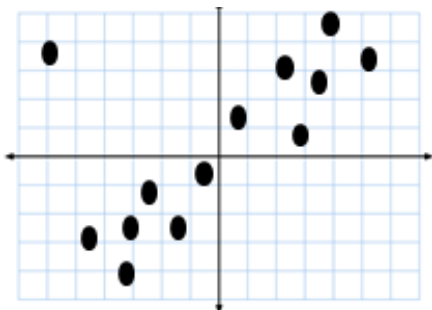
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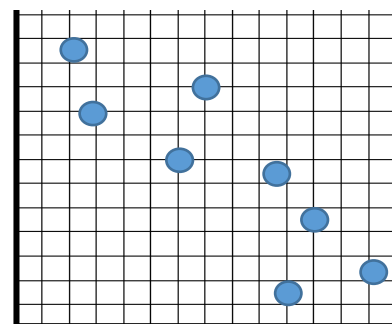
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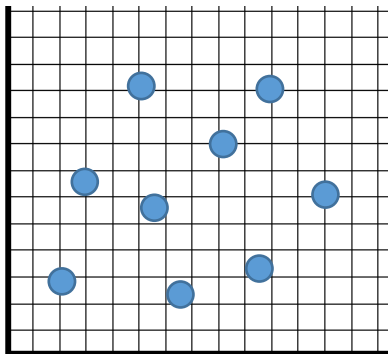
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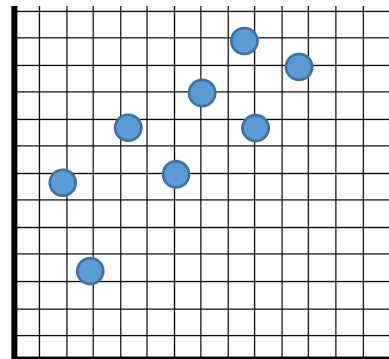
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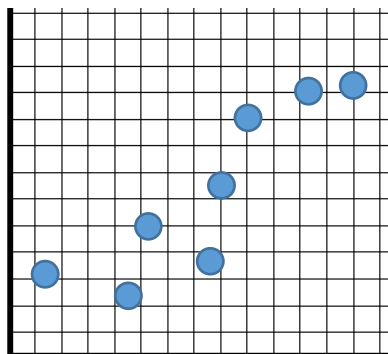
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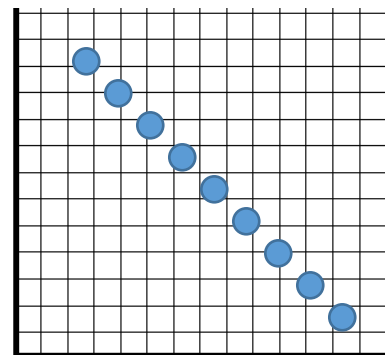
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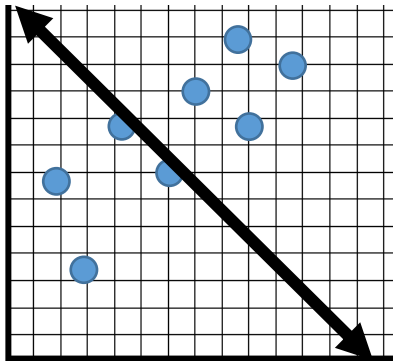
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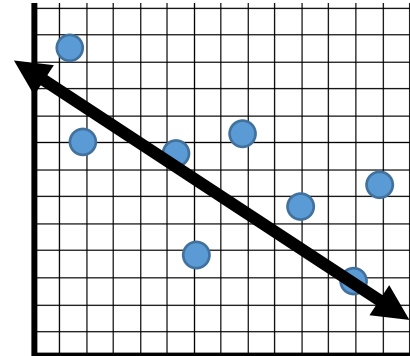
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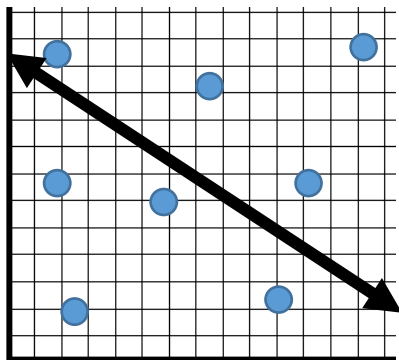
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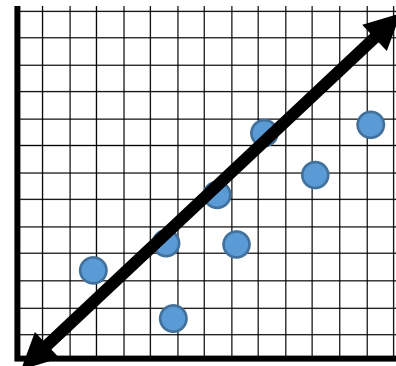
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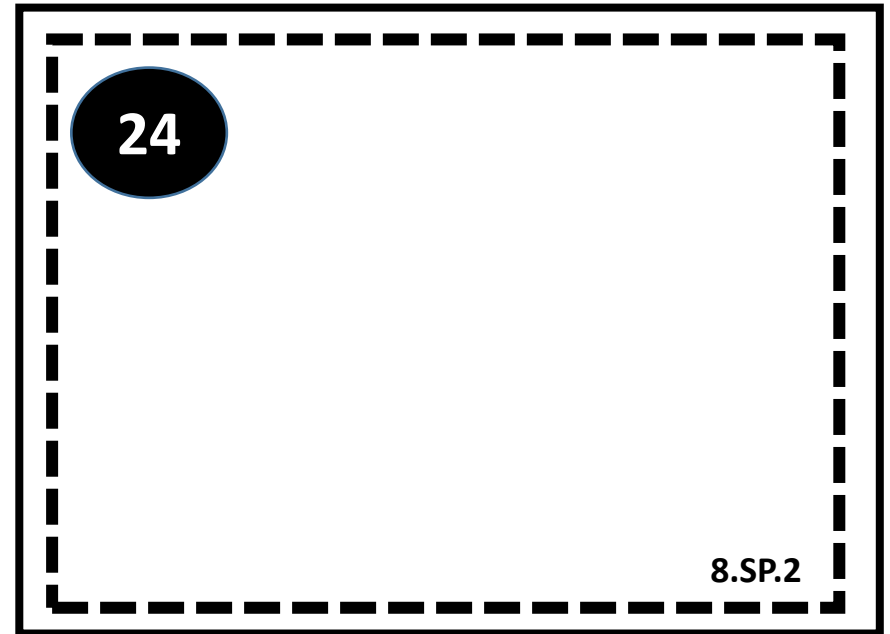
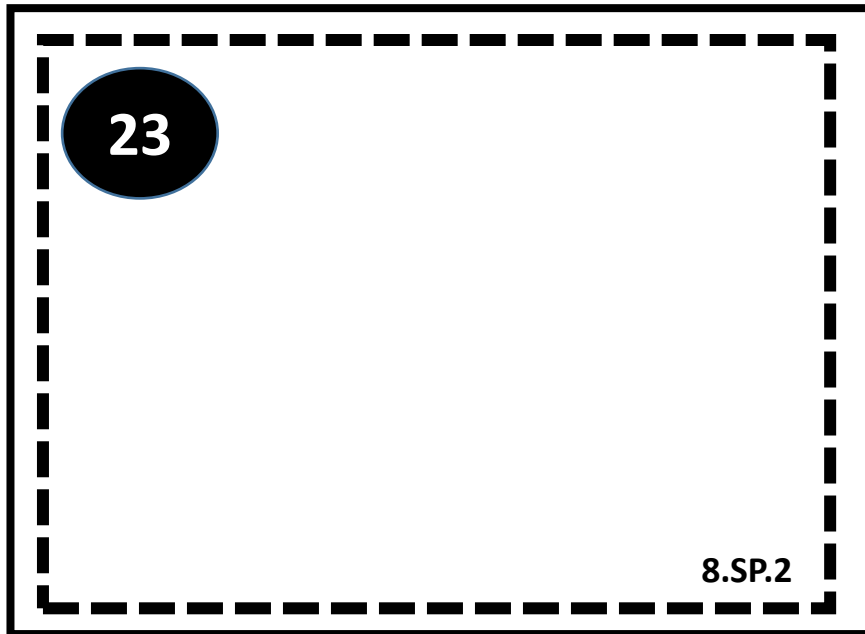
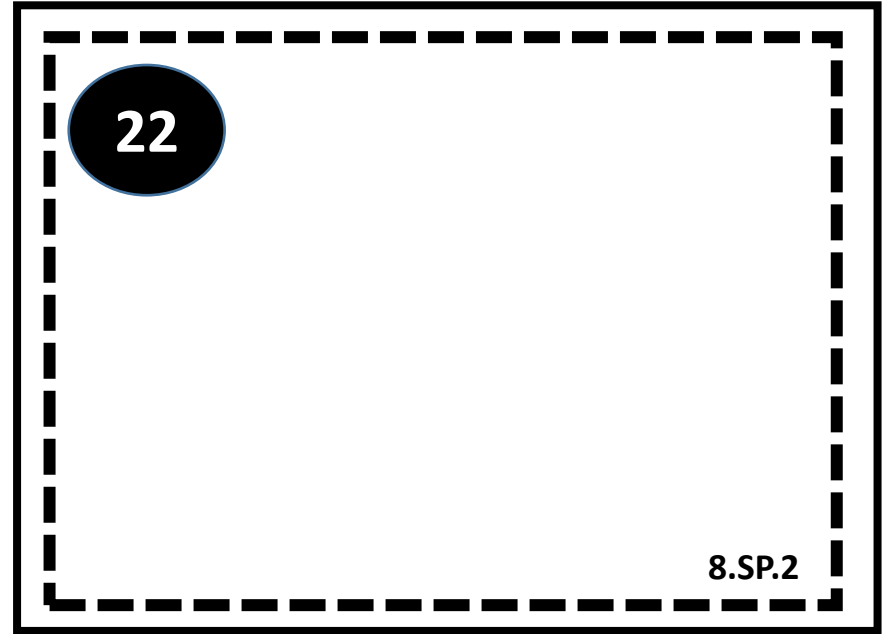
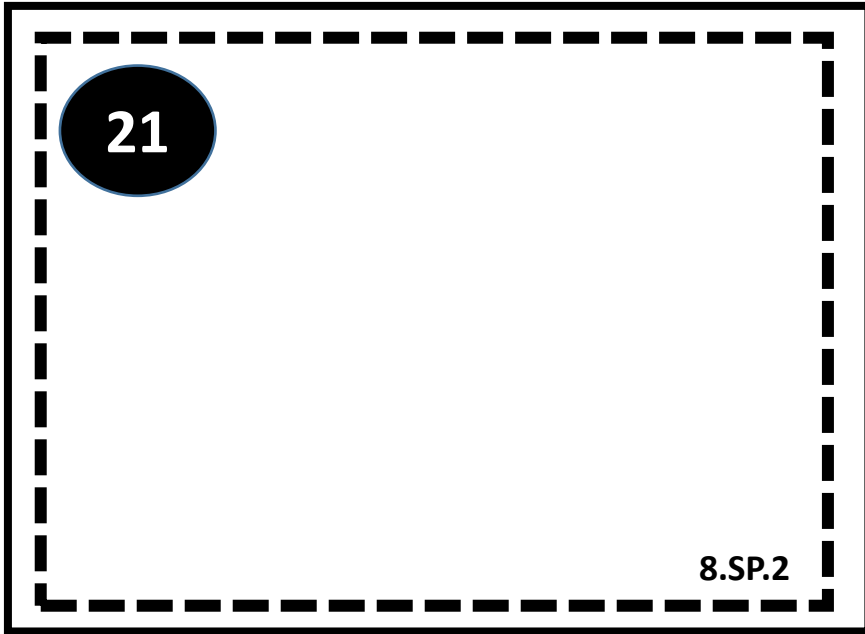
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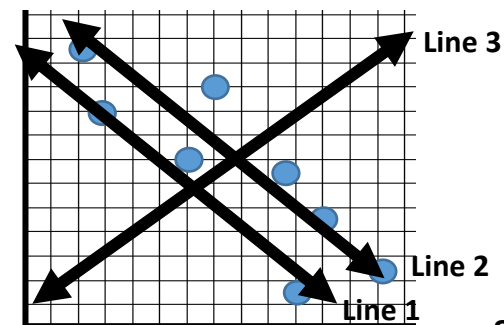
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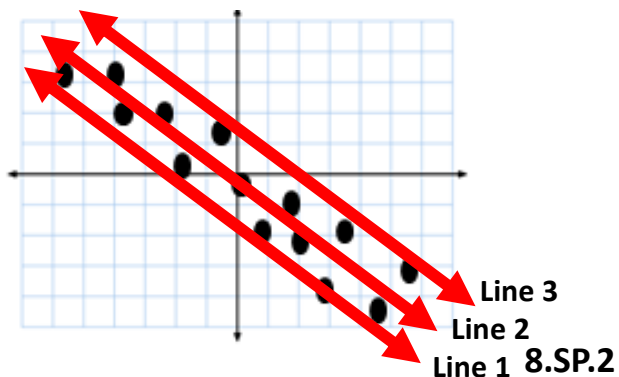
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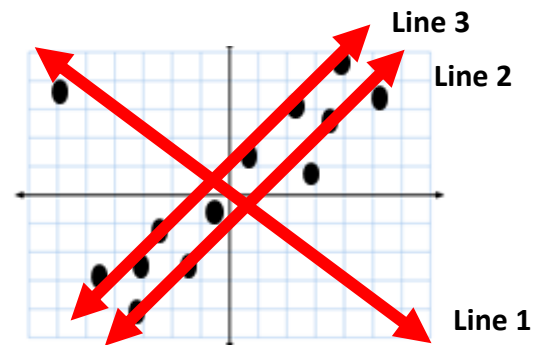
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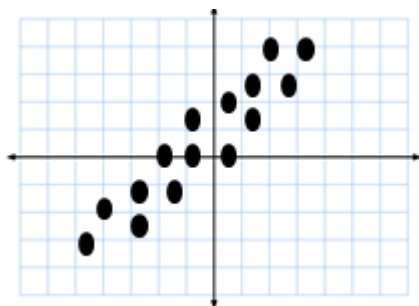
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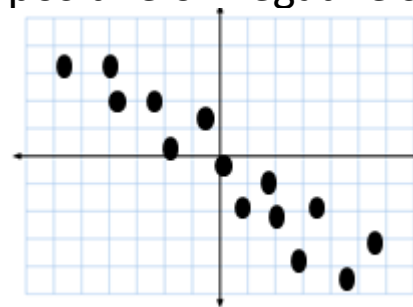
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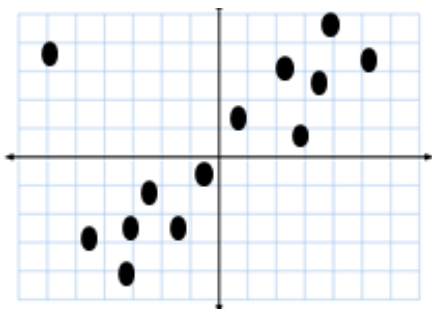
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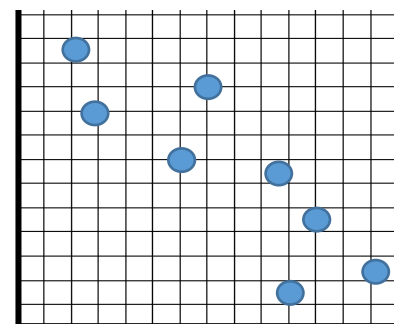
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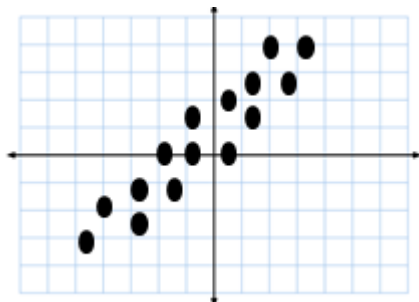
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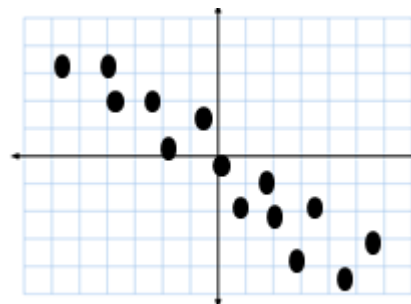
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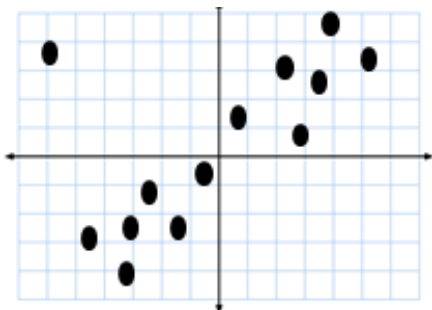
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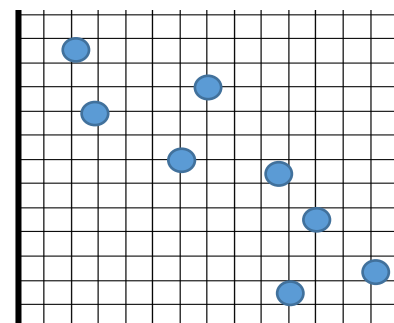
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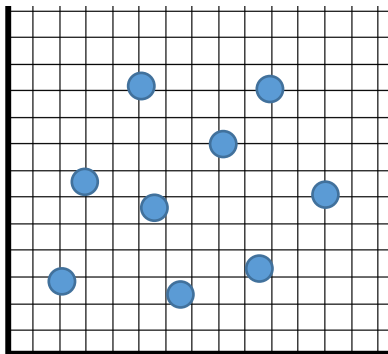
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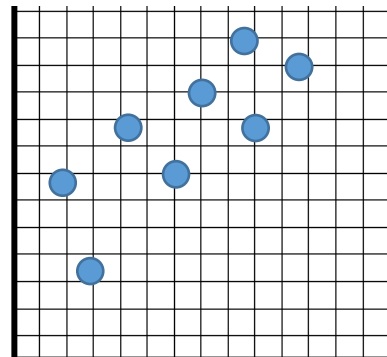
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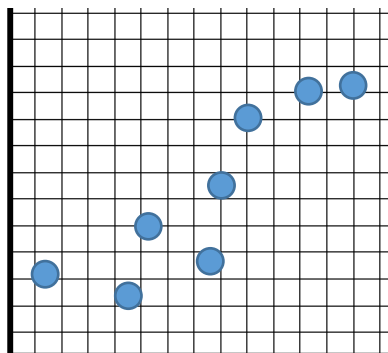
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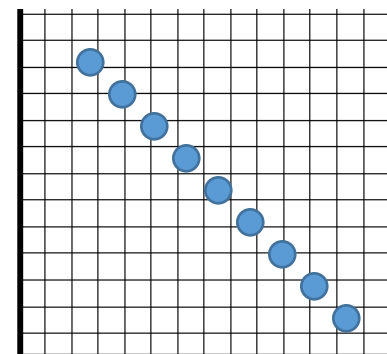
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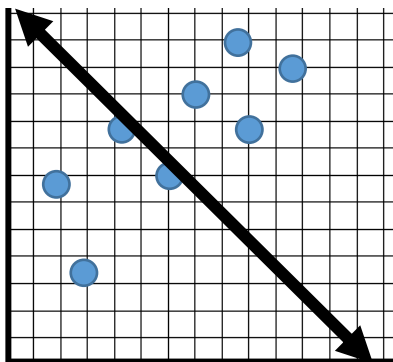
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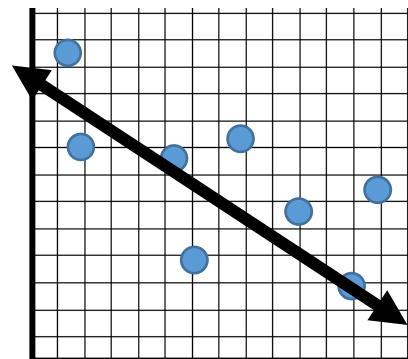
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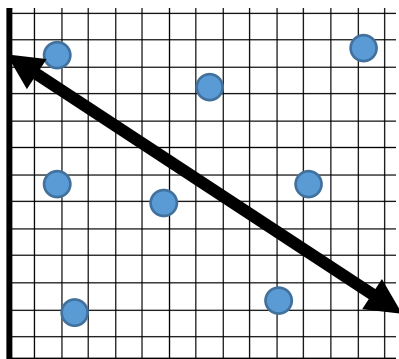
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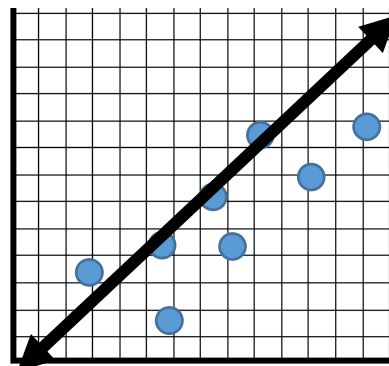
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8.SP.2

21

8.SP.2

22

8.SP.2

23

8.SP.2

24

8.SP.2

Name _____

Hour _____

8.SP.2 Recording Sheet

1.	2.	3.
4.	5.	6.
7.	8.	9.

Name _____

Hour _____

10.

11.

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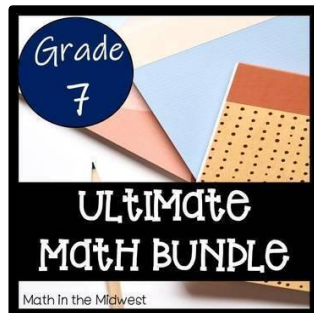
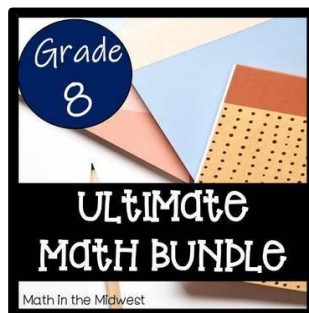
Answer Key

Number	Answer
1	Straight, Points
2	Line 2
3	Line 2
4	Line 3
5	Positive
6	Negative
7	Positive
8	Negative
9	Around: $y = x + 1$
10	Around: $y = -x$

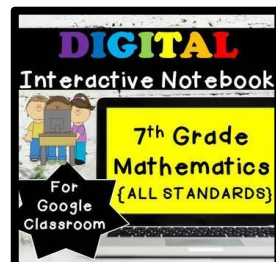
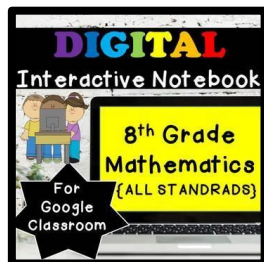
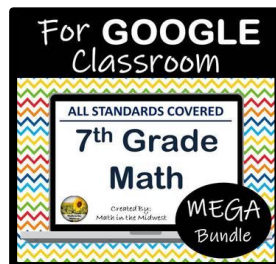
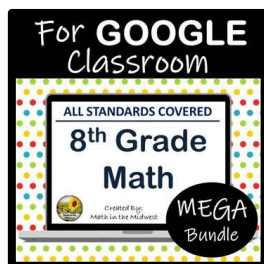
Number	Answer
11	Around: $y = x + \frac{1}{2}$
12	Around: $y = -\frac{3}{4}x + 12$
13	No Association
14	Around: $y = \frac{4}{5}x + 3$
15	Around: $y = \frac{6}{5}x + 1$
16	Around: $y = -x + 14$
17	Scatterplot is a positive association, not negative (the line of best fit is going the wrong direction)
18	Line of best fit needs to be shifted up more on the y-axis
19	No Association – Line of best fit can not be drawn
20	Line of best fit needs to be shifted down the y-axis.

Check out my other products!

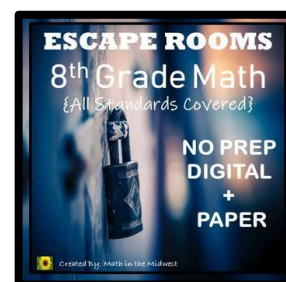
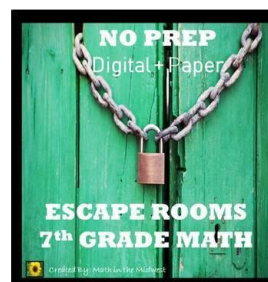
Ultimate Bundles:



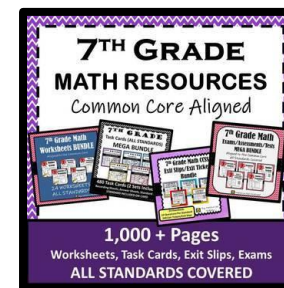
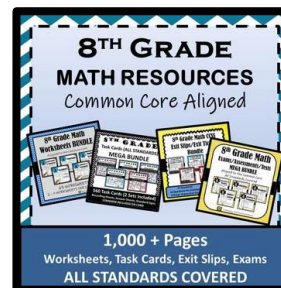
Digital Bundles:



Escape Rooms:



PDF Bundles:



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