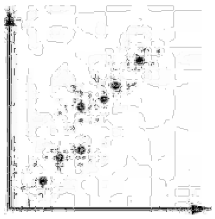
Name: _____ **Class:** _____ **Date:** _____ **ID: A**

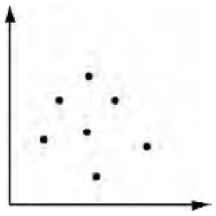
Scatter plots 01 Daily Work

____ 1. Which scatter plot is the best example of a positive correlation?

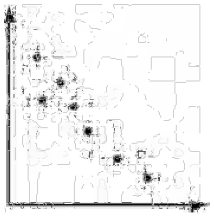
a.



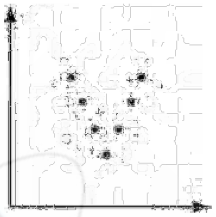
c.



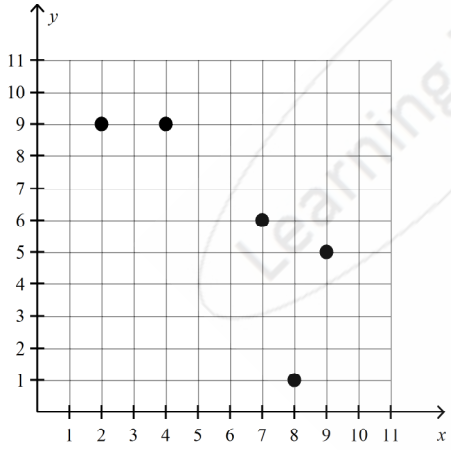
b.



d.

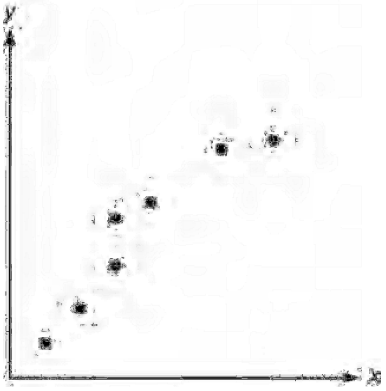


____ 2. Describe the correlation illustrated by the scatter plot.



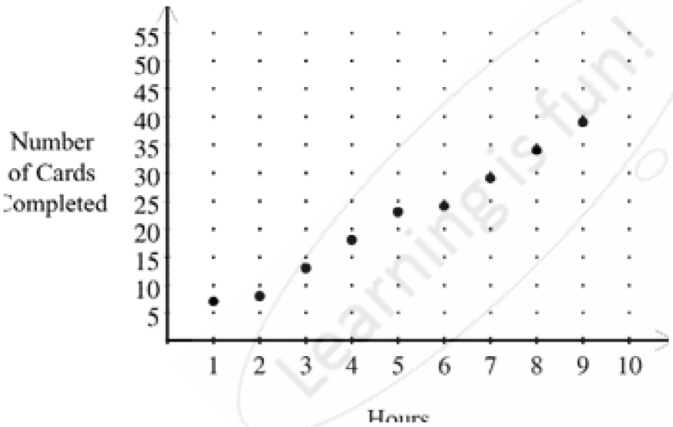
a. negative correlation
b. no correlation
c. cannot determine
d. positive correlation

____ 3. Which correlation best describes the scatter plot below?



a. None
b. Positive
c. Negative
d. Continuous

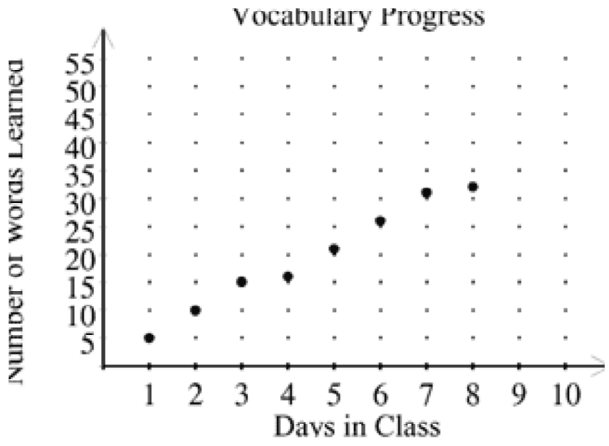
____ 4. Min is making home-made cards to send to friends and family and to sell at the local craft fair. This scatter plot shows the total number of cards he had made after each hour he worked on the task.



Using this information, what is the best prediction of the number of cards Min can make in 11 hours?

a. 59 b. 34 c. 24 d. 44

____ 5. Ramon is learning a foreign language. The scatter plot shows the total number of vocabulary words Ramon has learned at the end of each of his first eight days in class.



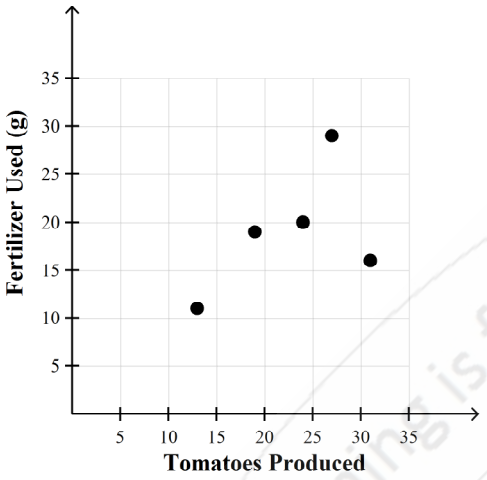
Assuming the trend shown by the scatter plot continues, which is the best prediction of the number of words Ramon will have learned by his 10th day in class?

a. 50 b. 25 c. 40 d. 55

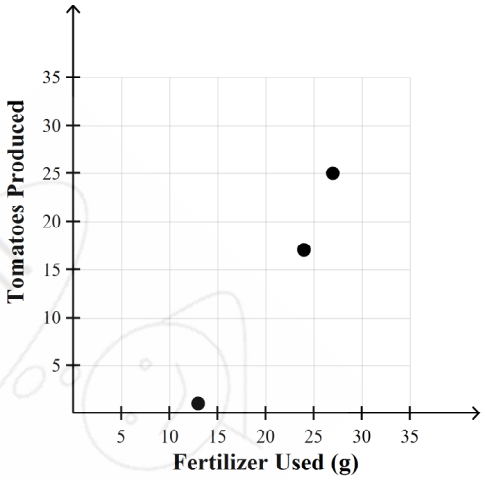
____ 6. The table below relates the amount of fertilizer used on a tomato plant to the number of tomatoes produced by the plant. Make a scatter plot of the data.

Fertilizer(g)	Number of Tomatoes Produced
24	17
19	9
31	26
27	25
13	1

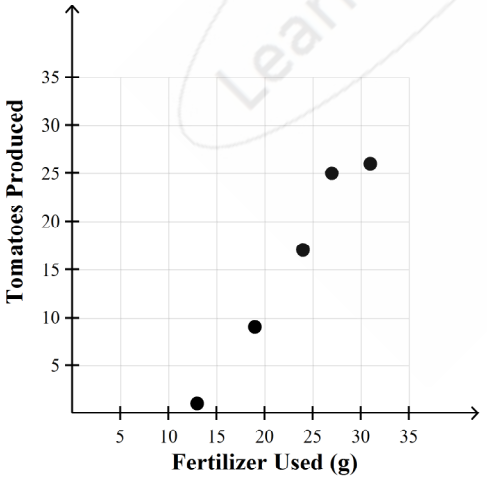
a.



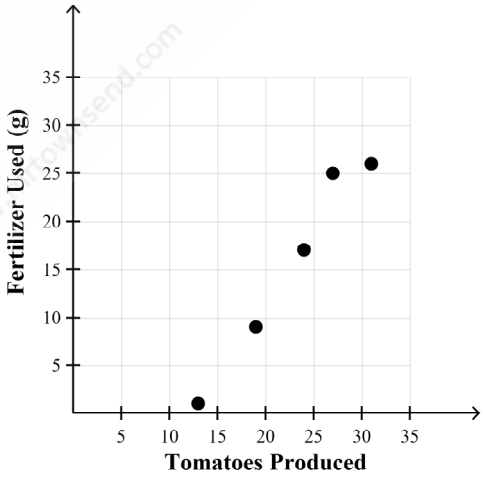
c.



b.

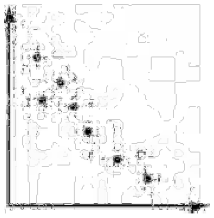


d.

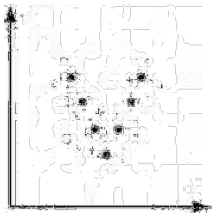


____ 7. Which scatter plot is the best example of a negative correlation?

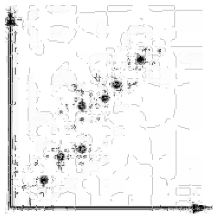
a.



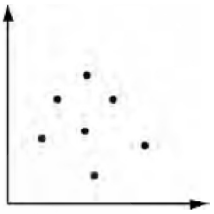
c.



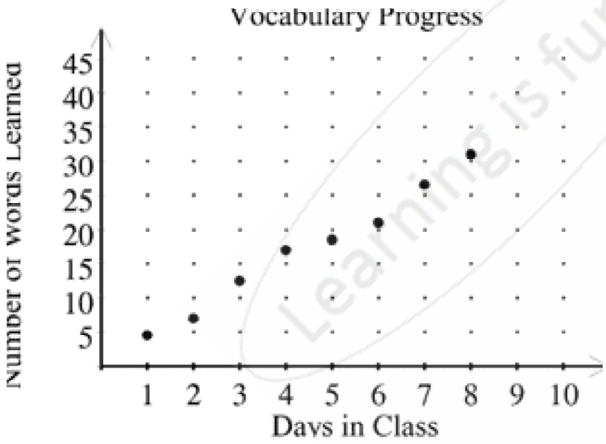
b.



d.



____ 8. Presley is learning a foreign language. The scatter plot shows the total number of vocabulary words Presley has learned at the end of each of his first eight days in class.



Assuming the trend shown by the scatter plot continues, which is the best prediction of the number of words Presley will have learned by his 10th day in class?

a. 35 b. 45 c. 50 d. 20

Scatter plots 01 Daily Work
Answer Section

1. ANS: A PTS: 1 NAT: NT.CCSS.MTH.10.9-12.S.ID.6
   DOK: DOK 1
2. ANS: A PTS: 1 REF: 10797736-4683-11df-9c7d-001185f0d2ea
   OBJ: Describing Correlations from Scatter Plots NAT: NT.CCSS.MTH.10.9-12.S.ID.6
   LOC: MTH.C.13.03.01.02.016 TOP: Scatter Plots and Trend Lines
   KEY: correlation | relationship | scatter plot DOK: DOK 2
3. ANS: B PTS: 1 NAT: NT.CCSS.MTH.10.9-12.S.ID.6
   DOK: DOK 2
4. ANS: D PTS: 1 REF: MALG0852 NAT: NT.CCSS.MTH.10.9-12.S.ID.6.a
   LOC: NCTM.PSSM.00.MTH.9-12.ALG.3.c | NCTM.PSSM.00.MTH.9-12.PRS.2
   TOP: Predict with Linear Models KEY: graph | estimate | scatter plot | predict
   DOK: DOK 2
5. ANS: C PTS: 1 REF: MALG0855 NAT: NT.CCSS.MTH.10.9-12.S.ID.6.a
   LOC: NCTM.PSSM.00.MTH.9-12.ALG.3.c | NCTM.PSSM.00.MTH.9-12.PRS.2
   TOP: Predict with Linear Models KEY: graph | estimate | scatter plot | predict
   DOK: DOK 2
6. ANS: B PTS: 1 REF: f9def93d-6ff9-11df-9c81-001185f0d2ea
   NAT: NT.CCSS.MTH.10.9-12.S.ID.6.a LOC: 12.4.1.e KEY: scatter plot | data set
   DOK: DOK 1
7. ANS: A PTS: 1 NAT: NT.CCSS.MTH.10.9-12.S.ID.6
   DOK: DOK 1
8. ANS: A PTS: 1 REF: MALG0855 NAT: NT.CCSS.MTH.10.9-12.S.ID.6.a
   LOC: NCTM.PSSM.00.MTH.9-12.ALG.3.c | NCTM.PSSM.00.MTH.9-12.PRS.2
   TOP: Predict with Linear Models KEY: graph | estimate | scatter plot | predict
   DOK: DOK 2