

Describe the relationship you would expect between the data. Explain.

- 1) age of the automobile and the odometer reading <u>Positive relationship because as age increases, so does the odometer</u>. <u>If the age of the car is low, so B is the odometer</u>.
- 2) time spent fishing and the amount of bait in the bucket Negative relationship because the longer you fish the less bait you have in the bucket.
- 3) number of passengers in a car and the number of traffic lights on the route

No correlationship because the two have nothing to do with each oth 08

Describe the relationship between the data. Identify any outliers, gaps, or clusters.



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- 8) The scatter plot shows the numbers of bushels filled and the numbers of apples picked.
 - a) How many bushels are needed for 350 apples?

16 bushels

b) About how many apples can be placed in 8 bushels? about 175 apples

c) Describe the relationship shown by the data.

Apple Picking

9) The scatter plot shows the numbers of yard sales in your neighborhood each month for a year.

a) How many yard sales are during the month of February? June? Feb $\rightarrow 0$ yard sales

June -> about 17, 18, or 19 yard b) During which month(s) are there no yard sales? sales. Jan, Feb, and Dec.



2

- c) What type of relationship do the data show? Positive linear relationship between months 1-4 and again for Months 5-8 and a neg. non linear relationship between months 9-12.
 d) What type of climate might this neighborhood have?
- B Very cold during the winter months and nice weather during e) Identify any outliers, gaps, or clusters and explain why spring and summer.
- No real outliers

they might exist.

- There is a gap between April and May probably because that's when weather starts getting nice.
- Also a gap between August and September probably because the weather is starting to not be nice.