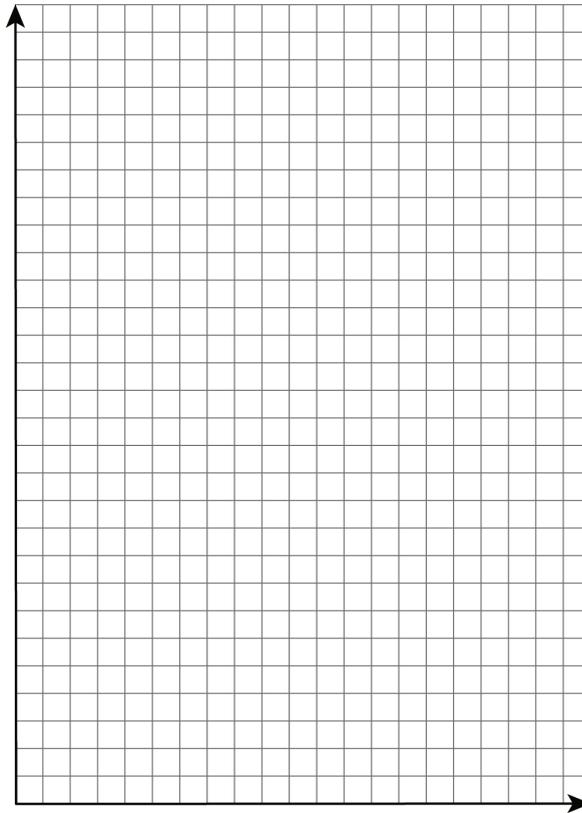


Lesson 8 Practice Problems

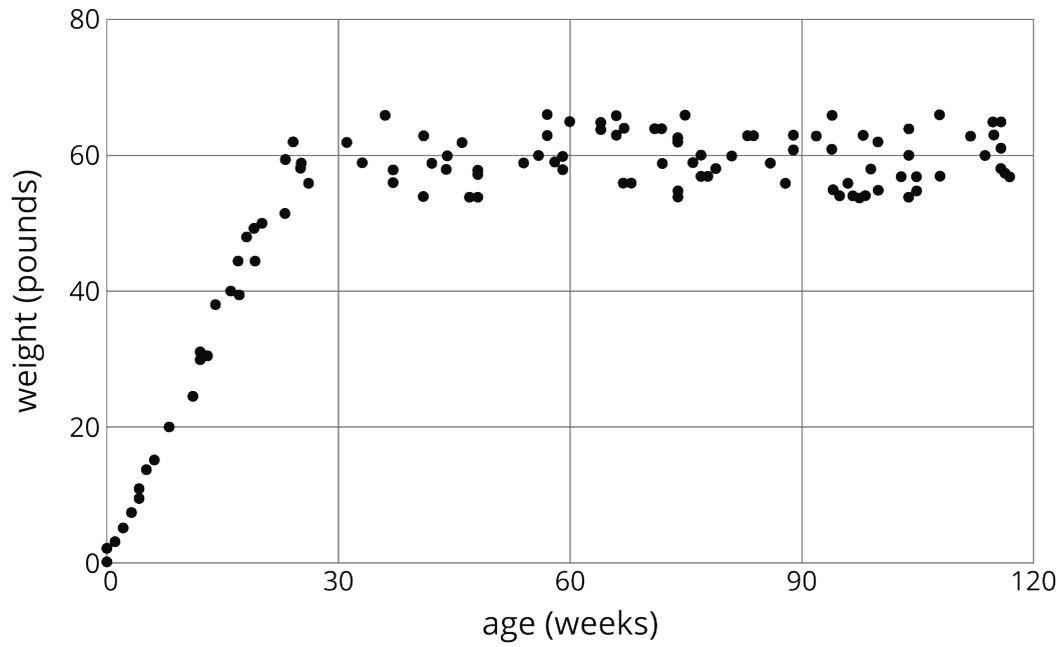
1. Different stores across the country sell a book for different prices. The table shows the price of the book in dollars and the number of books sold at that price.

price in dollars	number sold
11.25	53
10.50	60
12.10	30
8.45	81
9.25	70
9.75	80
7.25	120
12	37
9.99	130
7.99	100
8.75	90



- Draw a scatter plot of this data. Label the axes.
- Are there any outliers? Explain your reasoning.
- If there is a relationship between the variables, explain what it is.
- Remove any outliers, and draw a line that you think is a good fit for the data.

2. Here is a scatter plot:

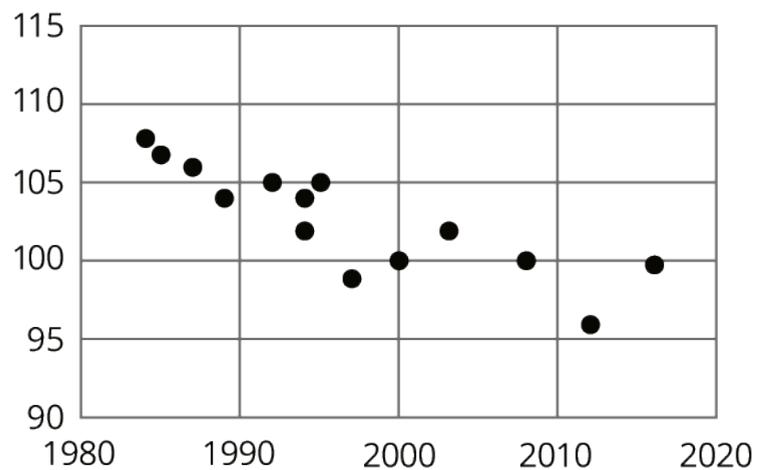


Select **all** the following that describe the association in the scatter plot:

- A. Linear association
- B. Non-linear association
- C. Positive association
- D. Negative association
- E. No association

(From Unit 6, Lesson 7.)

3. Using the data in the scatter plot, what can you tell about the slope of a good model?



- A. The slope is positive.
- B. The slope is zero.
- C. The slope is negative.
- D. There is no association.

(From Unit 6, Lesson 6.)