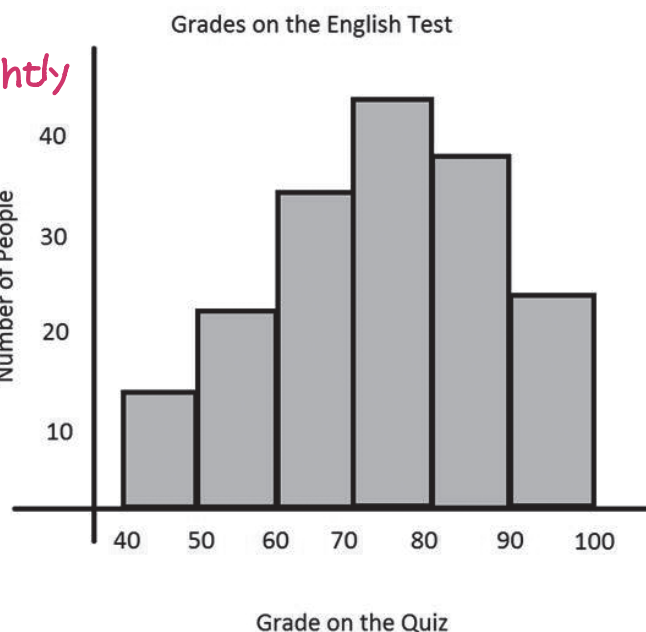


NAME: _____ PERIOD: _____ DATE: _____

Homework Problem Set

1. A. Describe the distribution of the data in the histogram below.

S: The data is fairly symmetrical, but slightly left skewed.
 O: appears there are no gaps or outliers
 C: center is around 70.
 S: spread is about 60



B. What specific information can you get from this graph?

possible answer:

About 100 students scored 70 or better on the English Test.

C. What could have been done to make this histogram easier to read?

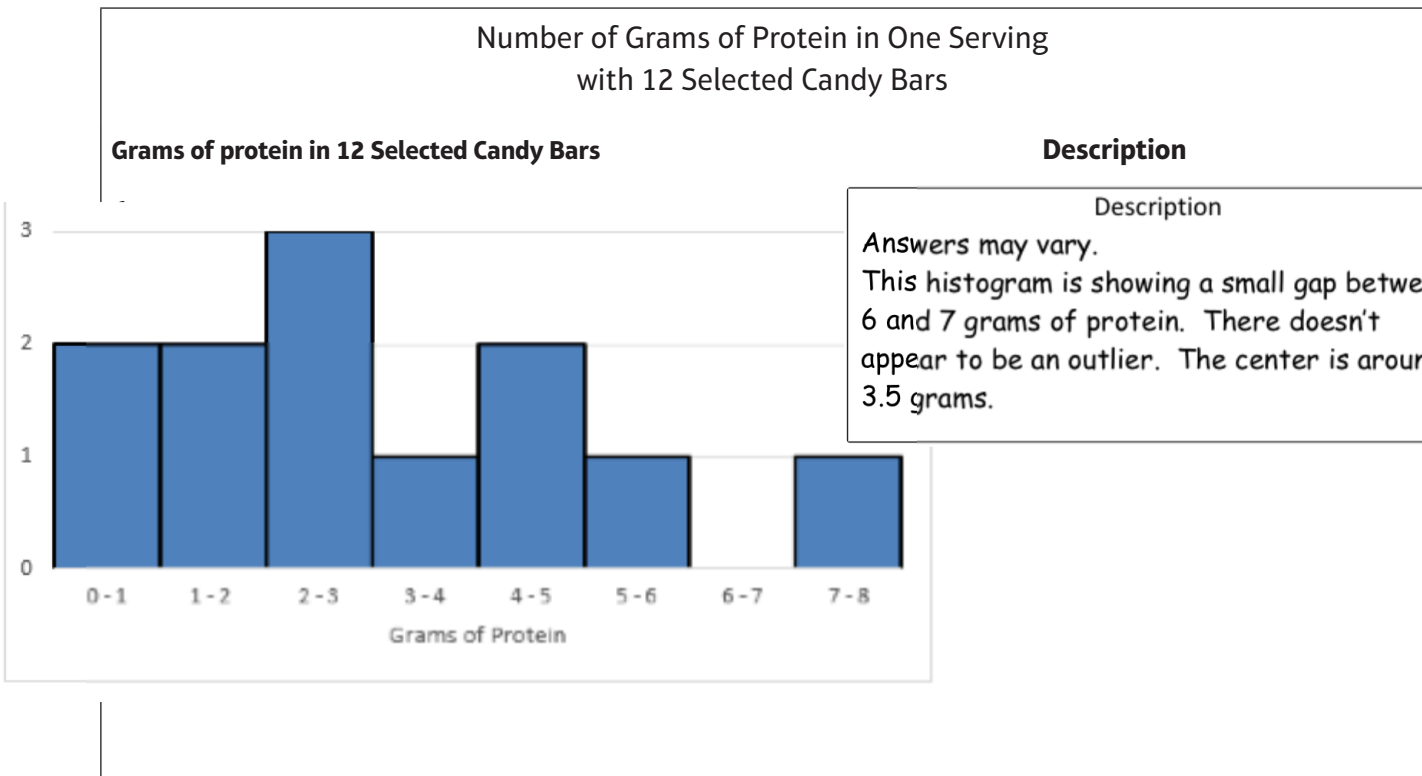
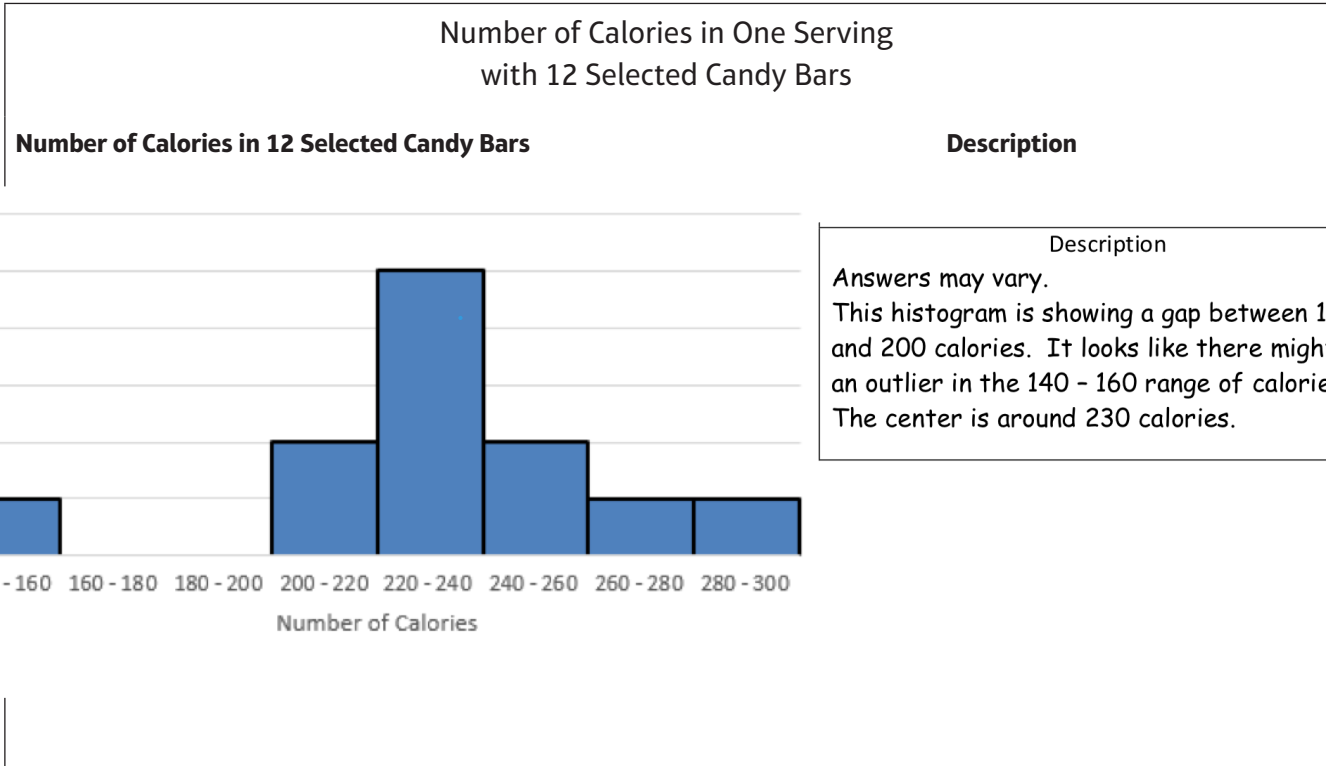
possible answer:

- Split y-axis into smaller intervals.
- draw horizontal lines from y-axis to make it easier to read.

2. Use the data on candy bars data to create two histograms—one on the number of calories and one on the grams of protein. Then describe the data in each distribution.

Candy Name	Number of Grams	Calories	Proteins in Grams
3 Musketeers	51	212	1.5
Almond Joy	50	232	2.5
Butterfinger	45	216	5.5
Kit Kat	43	220.5	3
M&M's—Peanut	47	242.5	4.5
Nestle Crunch	44	229.5	2.5
Reese's Pieces	55	258	7
Skittles	57	231	0
Snickers	57	273	4.5
Starburst	59	233.5	0
Twix—Caramel	57	284.5	2.5
York Peppermint Pattie	43	149	1.5

Source: <http://www.cnn.com/FOOD/resources/food.for.thought/sweets/compare.candy.bar.html>



Spiral REVIEW—Solving Equations

Solve each equation.

3. $4n - 2n = 4$

$$n = 2$$

4. $-12 = 2 + 5v + 2v$

$$v = -2$$

5. $3 = x + 3 - 5x$

$$x = 0$$

6. $x + 3 - 3 = -6$

$$x = -6$$

7. $-12 = 3 - 2k - 3k$

$$k = 3$$

8. $-1 = -3r + 2r$

$$r = 1$$

9. $6 = -3(x + 2)$

$$x = -4$$

10. $-3(4r - 8) = -36$

$$r = 5$$

11. $24 = 6(-x - 3)$

$$x = -7$$

12. $75 = 3(-6n - 5)$

$$n = -5$$