

Name: _____
Date: _____
Class: _____

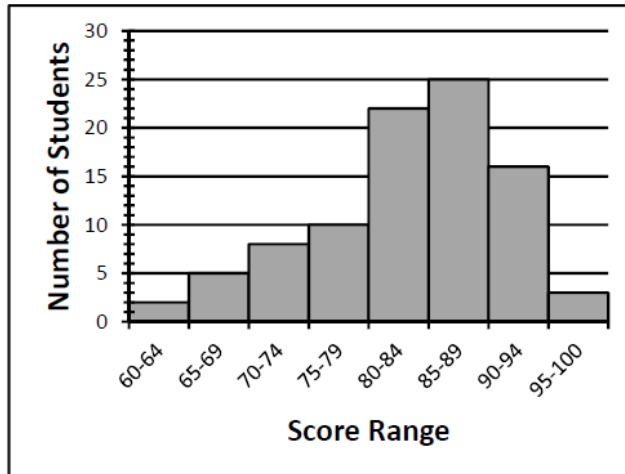
Algebra
Unit 11
HW 11-1

1) Construct a dot plot based on the following data:

2, 1, 3, 4, 2, 2, 3, 1, 5, 3, 4, 4, 5, 6, 3, 8, 5, 4, 6, 3



Base your answers to #2 through #4 on the following histogram:



2) How many students received a grade below a 70?

3) How many students scored at least an 80?

4) What percentage of students received a C (a grade in the 70s)?

5) If you conducted a survey to find out the favorite color of every student in your grade would that be a qualitative survey or a quantitative survey? Why?

6) If you purchased a pumpkin from a roadside stand, took it home, carved it and found out it was rotten would it be fair or unfair to conclude that all pumpkins from that stand are rotten? Why?

7) If you went outside without a coat on 10 days in a row during February and concluded that if you go outside without a coat on during the month of February you will be cold, would that be fair or unfair conclusion?

8) Find the mean, median, and mode of the following data:

0, 1, 1, 1, 2, 2, 3, 3, 3, 3, 4, 6

9) The following is a survey of the heights of players on a high school basketball team. It is being used to estimate the average height of a student in the high school. Is this a fair or unfair survey?

69, 70, 72, 72, 74, 74, 74, 75, 76, 76, 76, 77, 77, 82

10) Find the mean, median, and mode of the following grades on a recent English test. Is there an outlier in the group?

25, 70, 72, 72, 70, 92, 90, 85, 71, 90, 90, 72, 100, 66, 85, 72, 80