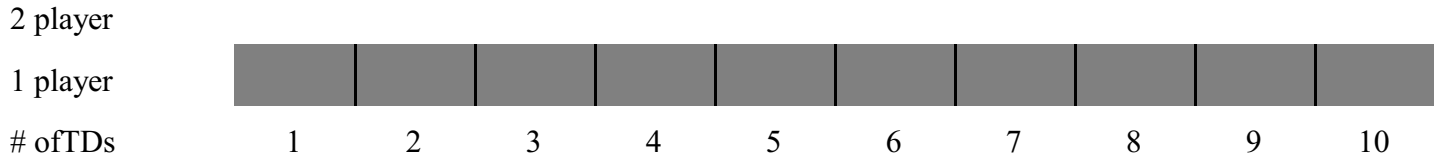


Percentiles and Histograms

1) What is a percentile?

2) What is a histogram?

The histogram below shows the number of touchdowns scored by several football players.



1) What percentage of players scored 3 TDs or less?

2) Scoring how many TDs lies at the 30th percentile?

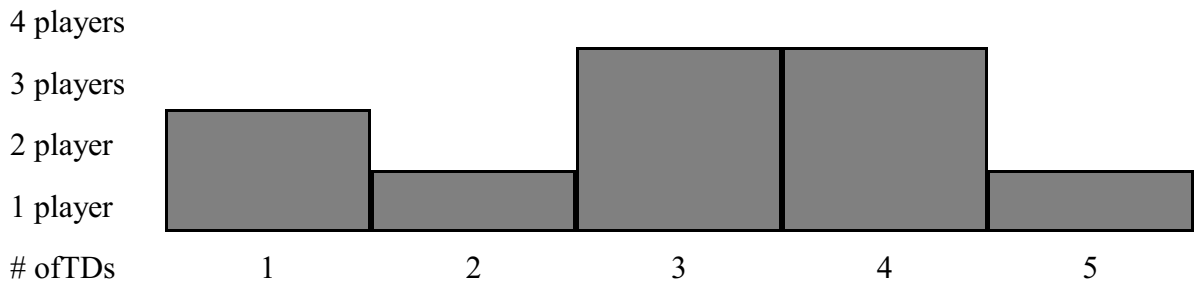
3) What percentage of players scored 5 TDs or less?

4) Scoring how many TDs lies at the 90th percentile?

5) A player scoring 2 TDs lies at which percentile?

6) A player scoring 8 TDs lies at which percentile?

The histogram below shows the number of touchdowns scored by several football players.



7) What percentage of players scored 3 TDs or less?

8) Scoring how many TDs lies at the 30th percentile?

9) What percentage of players scored 1 TD or less?

10) Scoring how many TDs lies at the 80th percentile?

11) A player scoring 2 TDs lies at which percentile?

12) A player scoring 4 TDs lies at which percentile?

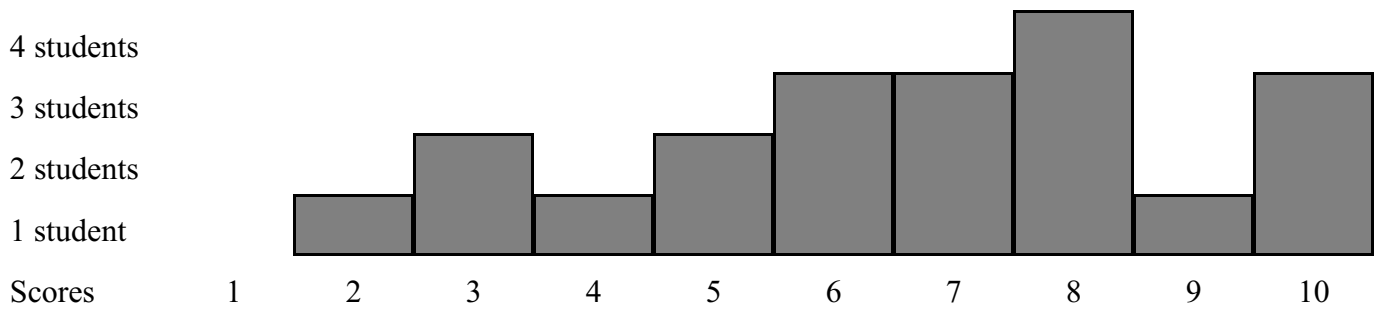
13) What is the median of this data set?

14) What is the range of this data set?

15) What are Q1 and Q3 for this data set?

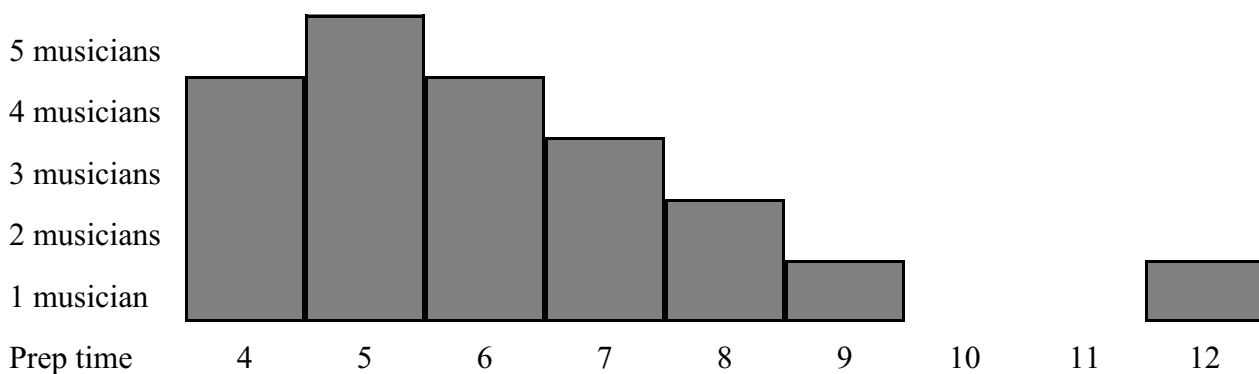
16) What is the IQR for this data set?

The histogram below shows quiz scores for a math class.



- 17) What percentage of students scored 3 or lower?
- 18) Which score lies at the 55th percentile?
- 19) What percentage of students scored 7 or lower?
- 20) Which score lies at the 20th percentile?
- 21) A student scoring a 5 lies at which percentile?
- 22) A student scoring a 9 lies at which percentile?
- 23) What is the median of this data set?
- 24) What is the range of this data set?
- 25) What are Q1 and Q3 for this data set?
- 26) What is the IQR for this data set?
- 27) What is the mode of this data set?

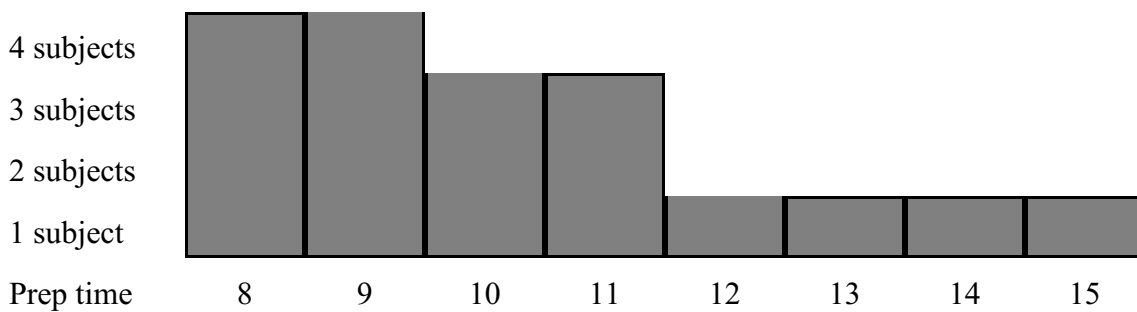
The histogram below shows the number of hours/day a group of musicians spent in preparation for an upcoming competition.



- 28) What percentage of musicians practiced for 5 hours or fewer?
- 29) How many hours would you have to practice to fall into the 50th percentile?
- 30) A competitor who practiced for 7 hours would fall into which percentile?
- 31) What percentage of musicians practiced for 8 hours or fewer?
- 32) How many hours would you have to practice to fall into the 75th percentile?

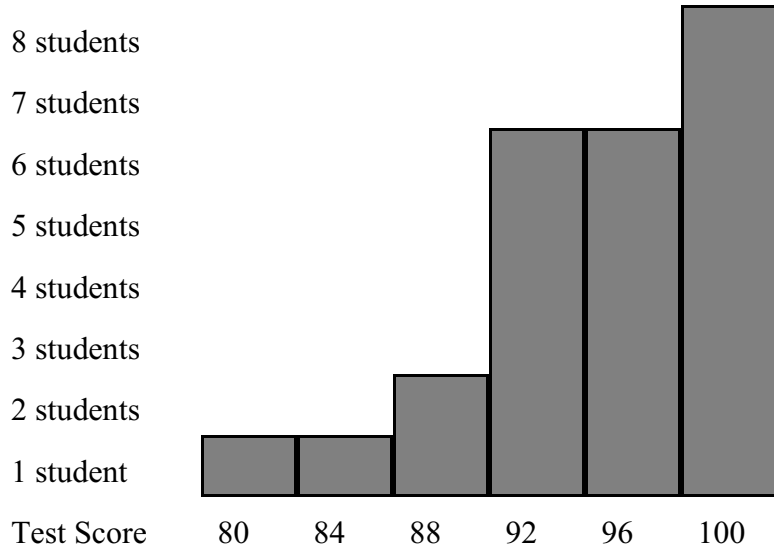
- 33) A competitor who practiced for 4 hours would fall into which percentile?
- 34) How many hours would you have to practice to fall into the 60th percentile?
- 35) How many hours would you have to practice to fall into the 95th percentile?
- 36) What is the median of this data set?
- 37) What is the range of this data set?
- 38) What are Q1 and Q3 for this data set?
- 39) What is the IQR for this data set?
- 40) What is the mode of this data set?

The histogram below shows the number of correct matches a group of subjects got on a memory test.



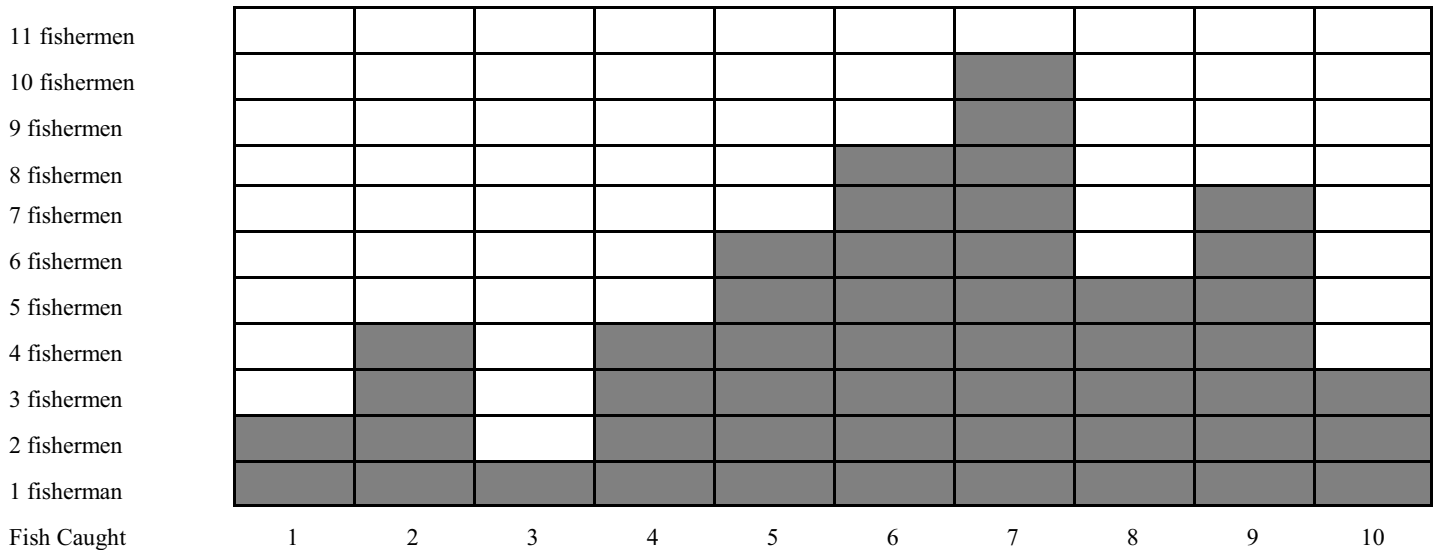
- 41) What percentage of subjects got 12 matches or fewer?
- 42) How many matches would you have to get to fall into the 20th percentile?
- 43) A subject who got 10 matches would fall into which percentile?
- 44) How many matches would you have to get to fall into the 45th percentile?
- 45) How many matches would you have to get to fall into the 80th percentile?
- 46) What is the median of this data set?
- 47) What is the range of this data set?
- 48) What are Q1 and Q3 for this data set?
- 49) What is the IQR for this data set?
- 50) What is the mode of this data set?

The histogram below shows the test results for students in a math class.



- 51) What score would you have to earn to fall in the 60th percentile?
- 52) A scored a 92 would fall into which percentile?
- 53) What score would you have to earn to fall in the 15th percentile?
- 54) What score would you have to earn to fall in the 90th percentile?
- 55) How many matches would you have to get to fall into the 80th percentile?
- 56) What is the median of this data set?
- 57) What is the range of this data set?
- 58) What are Q1 and Q3 for this data set?
- 59) What is the IQR for this data set?
- 60) What is the mode of this data set?

The histogram below shows the number of fish caught by fishermen in a fishing competition.



- 61) How many fish would you have to catch to fall into the 15th percentile?
- 62) How many fish would you have to catch to fall into the 80th percentile?
- 63) A competitor who caught 6 fish would lie in which percentile?
- 64) What percentage of fishermen caught 5 fish or fewer?
- 65) How many fish would you have to catch to fall into the 95th percentile?
- 66) How many fish would you have to catch to fall into the 30th percentile?
- 67) What is the median of this data set?
- 68) What is the range of this data set?
- 69) What are Q1 and Q3 for this data set?
- 70) What is the IQR for this data set?
- 71) What is the mode of this data set?