

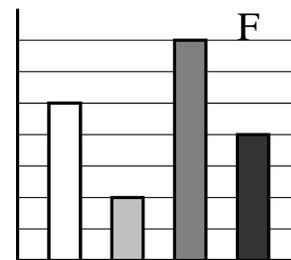
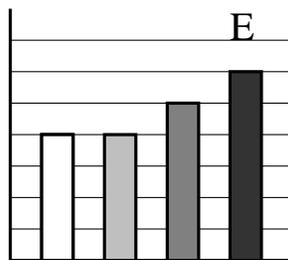
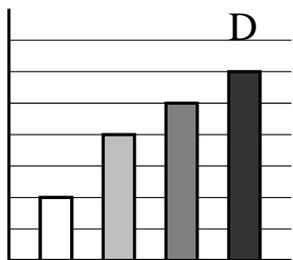
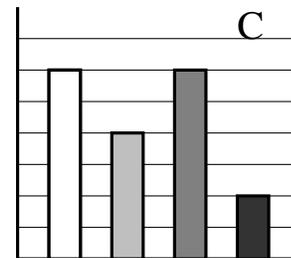
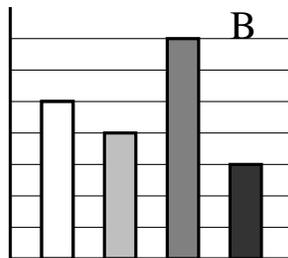
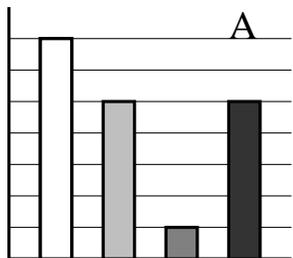
MAT 118, Chapter 15 Sample Questions, Exam on Monday, Nov 18, 2013

- (1) The table represents scores on an quiz. How many people took the quiz?
- (a) 7
 - (b) 8
 - (c) 9
 - (d) 10
 - (e) 11
 - (f) none of these

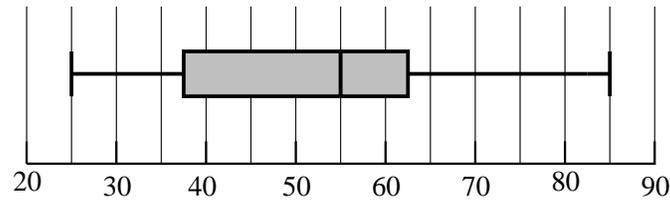
Value	4	5	6	7	8
Frequency	1	2	3	2	1

- (2) What is the average score for the table in problem 1 ?
- (a) 3.5
 - (b) 4.0
 - (c) 4.5
 - (d) 5.0
 - (e) 6.0
 - (f) none of these

- (3) In a survey of favorite sports, 80 people liked baseball best, 120 preferred football, 100 preferred basketball and 40 liked hockey. Which histogram below best represents this data?



The following box diagram is used in problems 4 and 5. It represents the starting salaries (in thousands of dollars) of 100 college graduates.



- (4) What is the median salary?
- (a) \$45,000
 (b) \$50,000
 (c) \$52,500
 (d) \$55,000
 (e) \$62,500
 (f) none of these
- (5) What is the interquartile range (IQR) for this box plot?
- (a) \$25,000
 (b) \$57,500
 (c) \$50,000
 (d) \$17,500
 (e) \$20,000
 (f) none of these
- (6) What is the average of the numbers $\{10, 5, 6, 7, 4, 8, 6, 5, 9, 10\}$?
- (a) 7
 (b) 7.5
 (c) 8
 (d) 8.5
 (e) 9
 (f) none of these
- (7) What is the variance of the data in problem 6?
- (a) 4.4
 (b) 4.0
 (c) 4.2
 (d) 5.2
 (e) 3.9
 (f) none of these