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

<table>
<thead>
<tr>
<th>Value</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

(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 best represents this data?

A

B

C

D

E

F
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