1. Given:

<table>
<thead>
<tr>
<th>Class Interval</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 – 30</td>
<td>10</td>
</tr>
<tr>
<td>31 – 36</td>
<td>5</td>
</tr>
<tr>
<td>37 – 42</td>
<td>2</td>
</tr>
<tr>
<td>43 – 48</td>
<td>7</td>
</tr>
</tbody>
</table>

a. What is the width?

b. What is the model class?

c. What is the number of observations?

d. What is the midpoint of the third class?

e. Draw the histogram and frequency polygon.

2. Given: 5, 7, 7, 3, 2, 9

What is the mean, mode, median, midrange, range, standard deviation?

3. Given the mean is 150 and standard deviation is 5. Find the z-score for 160.

4. The mean weight of a group of boys is 160 lbs. with a standard deviation of 15 lbs. Find the percentage, of boys that lie in each interval.

a. between 160 and 181 lbs.

b. more than 190 lbs.

c. between 181 and 190 lbs.

d. between 130 and 181 lbs.

e. Given a total of 500 boys polled, how many weigh more than 190 lbs.? 