**ROK - Retention of Knowledge**

<table>
<thead>
<tr>
<th>Height (cm)</th>
<th>Frequency</th>
<th>Cumulative Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>110 &lt; h ≤ 120</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>120 &lt; h ≤ 130</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>130 &lt; h ≤ 140</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>140 &lt; h ≤ 150</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

**Litersy**

Unscramble the keywords. (Define if you can)

atlumucive  munimin  yunferceq  ganer

**Skill 1**

Draw a boxplot and calculate the IQR for each set of data.

**2012 Maths Scores**

- Minimum Value: 24
- Lower Quartile: 36
- Median: 50
- Upper Quartile: 94
- Maximum Value: 98

**2013 Maths Scores**

- Minimum Value: 38
- Lower Quartile: 58
- Median: 60
- Upper Quartile: 72
- Maximum Value: 86

What is the IQR value?

**Skill 2**

What is the IQR value?

**Stretch 1**

Describe what you notice from looking at the box plots for Maths Scores 2012 and Maths Scores 2013 in skill 1.

**Marks on an English Test**

- 0 ≤ m < 10: 4
- 10 ≤ m < 20: 7
- 20 ≤ m < 30: 13
- 30 ≤ m < 40: 6

Draw a box plot from the cumulative frequency graph.
Skill 2

<table>
<thead>
<tr>
<th>Temperature in February °F</th>
<th>Frequency</th>
<th>Cumulative Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>35 ≤ t &lt; 45</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>45 ≤ t &lt; 55</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>55 ≤ t &lt; 65</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>65 ≤ t &lt; 75</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

The school conducts a survey on pupils marks on a piece of English homework. 80 people were involved.

Given the box plot draw the cumulative frequency graph.