Creating Box Plots

**Step 1** - Find 5-number summary (minimum, Q1, median, Q3, maximum).

**Step 2** - Draw a box **above** the number line from Q1 to Q3.

**Step 3** - Draw a vertical line **inside** the box at the median.

**Step 4** - Draw a horizontal line from Q1 to the minimum and from Q3 to the maximum.

**Example:** 28, 13, 5, 47, 9, 7, 24, 32, 20

| 5, 7, 9, 13, 20, 24, 28, 32, 47 |

<table>
<thead>
<tr>
<th>5-Number Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min = 5</td>
</tr>
<tr>
<td>Q1 = 8</td>
</tr>
<tr>
<td>Median = 20</td>
</tr>
</tbody>
</table>

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(b) 25, 37, 23, 31, 49, 17, 12, 21, 43

| 25, 37, 23, 31, 49, 17, 12, 21, 43 |

| Min = _____    |
| Q1 = _____     |
| Median = _____ |
| Q3 = _____     |
| Max = _____    |
Creating Box Plots

(c) 41, 32, 24, 40, 43, 18, 15, 45, 50

Min =
Q1 =
Median =
Q3 =
Max =

(d) 43, 31, 24, 33, 41, 13, 11, 3, 48

Min =

(e) 23, 26, 10, 31, 36, 10, 5, 38, 40

Min =
Q1 =
Median =
Q3 =
Max =

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**a**

- Min = 10
- Q1 = 20
- Median = 30
- Q3 = 38
- Max = 45

**b**

- Min = 12
- Q1 = 19
- Median = 25
- Q3 = 40
- Max = 49

**e**

- Min = 5
- Q1 = 10
- Median = 26
- Q3 = 37
- Max = 40

Preview
Please log in to download the printable version of this worksheet.