Creating Box Plots

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

**Step 2** - Draw a number line labeled with an appropriate scale.

**Step 3** - Draw a box plot above the number line.

1. 11, 7, 18, 14, 19, 21, 12, 5, 2
   - Min = _____
   - Q1 = _____
   - Median = _____
   - Q3 = _____

2. 76, 71, 72, 66, 75, 72, 62, 69, 77
   - Min = _____
   - Q1 = _____
   - Median = _____
   - Q3 = _____
   - Max = _____
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d  36, 32, 42, 49, 53, 48, 24, 54, 53

Min = _____
Q1 = _____
Median = _____
Q3 = _____
Max = _____

e  28, 33, 45, 25, 40, 57, 48, 60, 78

f  28, 30, 26, 21, 26, 14, 31, 27, 2

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

Note: Number line scales may vary, as long as they are reasonable (scale = what to count by).

(a) Min = 2, Q1 = 6, Median = 12, Q3 = 18.5

(b) Min = 4, Q1 = 7.5, Median = 20, Q3 = 27

(e) Min = 25, Q1 = 30.5, Median = 45, Q3 = 58.5, Max = 78

(f) Min = 2, Q1 = 17.5, Median = 26, Q3 = 29, Max = 31

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