

Name: \_\_\_\_\_

## Box Plot Scenarios

Use box plots to represent data based on real-world context.

- Ⓐ A scientist is recording measurements of average temperatures in New York City over twelve months. The measurements are listed below in degrees Celsius ( $^{\circ}\text{C}$ ).

**4, 5, 10, 16, 22, 26, 29, 28, 24, 18, 12, 6**

Make a box plot.

### 5-Number Summary

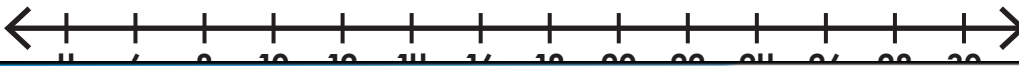
Min = \_\_\_\_\_

Q1 = \_\_\_\_\_

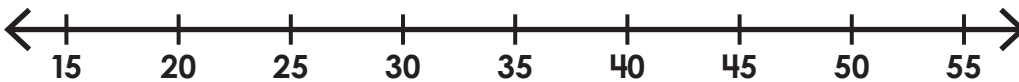
Median = \_\_\_\_\_

Q3 = \_\_\_\_\_

Max = \_\_\_\_\_



Max = \_\_\_\_\_



- Ⓑ Ms. Sanchez wants to record the top ten test scores from the most recent test to show her students. The scores are shown below.

**78, 81, 98, 88, 95, 97, 100, 83, 92, 91**

Make a box plot.

### 5-Number Summary

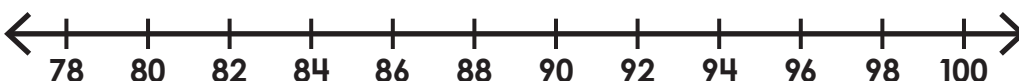
Min = \_\_\_\_\_

Q1 = \_\_\_\_\_

Median = \_\_\_\_\_

Q3 = \_\_\_\_\_

Max = \_\_\_\_\_



# ANSWER KEY

## Box Plot Scenarios

Use box plots to represent data based on real-world context.

- a) A scientist is recording measurements of average temperatures in New York City over twelve months. The measurements are listed below in degrees Celsius ( $^{\circ}\text{C}$ ).

4, 5, 10, 16, 22, 26, 29, 28, 24, 18, 12, 6

Make a box plot.

### 5-Number Summary

Min = 4

Q1 = 8

# Preview

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the printable version of this worksheet.



Q3 = 97.5

Max = 100

