

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

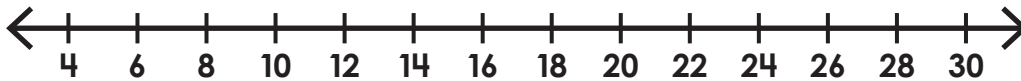
Min = \_\_\_\_\_

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

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

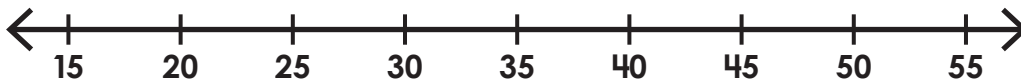
Q3 = \_\_\_\_\_

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



# Preview

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



- Ⓑ 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

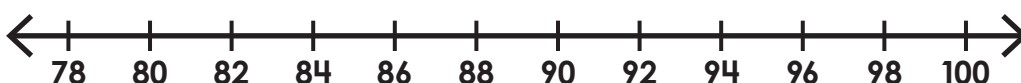
Min = \_\_\_\_\_

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

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

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

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



# ANSWERS

## Box Plot Scenarios

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

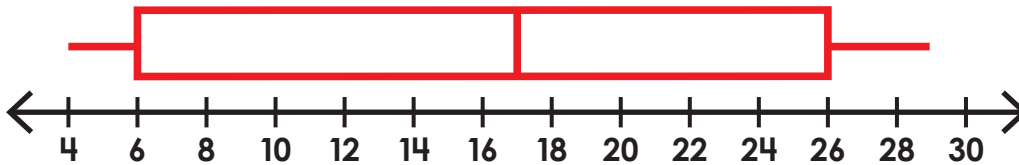
- Ⓐ A scientist is recording measurements of average temperatures in New York City over twelve months. The measurements are listed below in degrees Celsius ( $^{\circ}\text{C}$ ).

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

Make a box plot.

### 5-Number Summary

Min	=	<u>4</u>
Q1	=	<u>6</u>
Median	=	<u>17</u>
Q3	=	<u>26</u>
Max	=	<u>29</u>



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- Ⓑ 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	=	<u>78</u>
Q1	=	<u>83</u>
Median	=	<u>91.5</u>
Q3	=	<u>97</u>
Max	=	<u>100</u>

