



## Find the Box Plot

### ● Check Understanding

Min: 3                      Q1: 5  
Median: 8                 Q3: 12  
Max: 14

#### ACTIVITY ANSWERS

From left to right in each row of the **Game Board**, the box plots match these five-number summaries:

**Row 1:** C, D

**Row 2:** H, A

**Row 3:** F, E

**Row 4:** G, B

### ●● Check Understanding

Min: 3                      Q1: 5  
Median: 8                 Q3: 12  
Max: 14

#### ACTIVITY ANSWERS

From left to right in each row of the **Game Board**, the box plots match these five-number summaries:

**Row 1:** C, J

**Row 2:** H, A

**Row 3:** F, I

**Row 4:** G, B

**Row 5:** E, D

### ●●● Check Understanding

Range: 11  
Median: 8  
IQR: 7

#### ACTIVITY ANSWERS

From left to right in each row of the **Game Board**, the box plots match the range, median, and IQR in the table as follows:

**Row 1:** C, J

**Row 2:** H, A

**Row 3:** F, I

**Row 4:** G, B

**Row 5:** E, D



## Find Mean and MAD

### ● Check Understanding

Mean = 12

MAD = 2

#### RECORDING SHEET

Answers will vary depending on the data students collect. Check that students correctly record the number of beans in each of five handfuls, calculate the mean of those values, find the difference from the mean for each value, and calculate the mean absolute deviation from those differences.

### ●● Check Understanding

Mean = 12

MAD = 2

#### RECORDING SHEET

Answers will vary depending on the data students collect. Check that students correctly record the number of beans in each of eight handfuls, calculate the mean of those values, find the difference from the mean for each value, and calculate the mean absolute deviation from those differences.

### ●●● Check Understanding

Mean = 9.5

MAD = 1.3

Possible explanation: The mean tells you that the average distance ran was 9.5 miles. The MAD tells you that the distance ran varied from the mean distance by 1.3 miles.

#### RECORDING SHEET

Answers will vary depending on the data students collect. Check that students correctly record the number of beans in each of 10 handfuls, calculate the mean of those values, find the difference from the mean for each value, and calculate the mean absolute deviation from those differences.