## Unit 1 Lesson 4: The Shape of Data Distributions

### 1 Math Talk: Number Line Distance (Warm up)

#### Student Task Statement

Mentally, find the distance between the two values on a number line.

* 70 and 62
* 70 and 70
* 70 and 79
* 70 and 97

### 2 Suspicious Descriptions

#### Student Task Statement

For each picture and description:

* Do you agree or disagree with the description?
* If you agree, explain how you know it is correct.
* If you disagree, explain the error and write the correct description. Explain how you know it is correct.

Bell-shaped since there is a central peak for symmetric data that is less frequent on the ends.



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Symmetric because if the distribution was cut in half, both sides would be the same shape.



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Uniform because there seems to be the same amount of data points across the entire distribution.



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Symmetric because if the distribution was cut in half, both sides would be the same shape.



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Skewed left since most of the data is on the left side of the distribution.



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### 3 Whipping Data into Shape

#### Student Task Statement

Describe the shape of each distribution using the terms approximately, symmetric, bell-shaped, skewed left, skewed right, uniform, or bimodal. Estimate the center of each distribution.

A



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B



C



D



E



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F



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G



H





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