

## Linear Populations Activity

### Description

This activity has students use the graph of several state populations to get information about the populations and find an equation to represent the linear models. There is a focus on interpreting the slope and vertical intercept with appropriate units.

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### Prep Work

Print out a set of cards and a graph for each group of students. Two students per group. This works well if you print each type of card on a separate color card stock.

File: 1.3 Linear Populations Activity Card Template.pdf

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### Instructions

- **Pre Activity**

None

- **Activity**

Give each group the graph and a set of cards.

Have the groups sort the description cards into each appropriate state.

Next have the groups form equations for each state using the equation cards and number cards.

Next have the groups sort the sentence and units cards into each appropriate state.

- **Post Activity**

Discuss the units that were changed in the sentences and why they may have been changed.

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### Time Required

40 minutes

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