California's Economy ANSWER KEY

The U.S. Census, Population & Housing

Warm up

1. Brainstorm 10 reasons people enjoy living in California.

   Answers will vary

2. Brainstorm 5 drawbacks to living in California.

   Answers will vary

3. Make a prediction. What changes do you think California's population has undergone in the past 50 years? Explain your prediction.

   Answers will vary

Trends in California's Population

1. Go to the data table entitled, Part III in the (Modified) *Population of States and Counties of the United States 1790-1990* to find the following information:

Census Year	Population in California
1900	*1,485,053*
1920	*3,426,861*
1940	*6,907,387*
1960	*15,717,204*
1980	*23,667,902*
1990	*29,760,021*
2000	*33,871,648*

2. Go to Table 1 in the (Modified) *Congressional Apportionment 2010 Census Briefs* to find out the population information to complete the data table:

Census Year	Population in California
2010	*37,341,989*

3. Analyze all of the population data that you have gathered. Given the trends in population up to this point, make a prediction about what California's population will be in 2020?
   Answers will vary - However, answers must be over 37,000,000 to follow the population trend

4. What specific patterns do you see in the population data over time? Reference specific data in your explanation.
   Answers will vary- However, the trend is an increase in population

California's Housing Market

1. Think about conversations that adults around you have had or what you have observed about housing in California. What do you know about the housing market in California?
   Answers will vary

Analyze the data table below:

Census Year	Number of Housing Units in California
1960	*5,465,870*
1970	*7,000,174*
1980	*9,279,041*
1990	*11,182,513*
2000	*12,214,549*

Housing units are defined by the U.S. Census Bureau as *"A housing unit is a house, an apartment, a group of rooms, or a single room occupied or intended for occupancy as separate living quarters."* - Definition taken from Population of Housing Unit Counts, California 2000.

2. Based on the population trends and the number of housing units in California, do you think that there is enough housing currently in California? Reference specific data in your explanation. *(Note: Each person living in California would not occupy their own individual housing unit, but you should still think about the difference between the two datasets.)*

    Answers will vary

3. Based on your response to the question above (question 2), what questions do you have about population and housing?

    Answers will vary

Housing Supply and Demand

1. Brainstorm a list of factors related to housing that impact housing supply and demand. After you have brainstormed your list, circle supply shifters and put a box around demand shifters (determinants).

    Supply shifters (determinants) central to housing:

    - *Cost of Inputs (Resource Cost)*
    - *Technology*
    - *Productivity*
    - *Number of Sellers*
    - *Expectations*
    - *Government Regulation (Intervention)*

    Demand shifters (determinants) central to housing:

    - *Tastes and Preferences of Consumers*
    - *Number of Consumers in the Market*
    - *Change of Income of Consumers (Buyers Income)*
    - *Related Goods: Complementary and Substitute*
    - *Ease of Theft*

2. Supply and demand shifters (determinants). Read the scenarios carefully, think about if the scenario would impact supply or demand. Think about the shifters (determinants) that are most logically impacted. For each scenario answer parts a-d of the problem.
   (a) Does this scenario impact a shift in supply or demand?
   (b) Will this mean that supply or demand increases or decreases?
   (c) Draw the supply or demand graph and curve shift.
   (d) Explain your answer rationale including which shifter (determinant) impacts supply or demand

Scenario 1: You are a consumer and the population in California grows in the next 5 years. How will this impact the markets for consumer goods?

(a) Demand
(b) Demand will increase
(c) See Graph
*(d) Demand will increase because of the numbers of consumers in the market*

Scenario 2: California needs to build new housing for its growing population. The cost of building materials increases dramatically.

(a) Supply
(b) Supply will decrease
(c) See graph
(d) Supply will decrease because of the cost of inputs
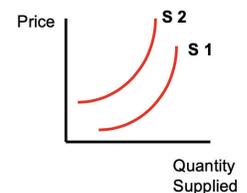
Scenario 3: Federal and state grants will increase (in the near future) the money allocated for building new homes in California because of the population increase shown on the 2020 Census.

(a) Supply
(b) Supply will decrease
(c) See graph
(d) Supply will decrease because of expectations
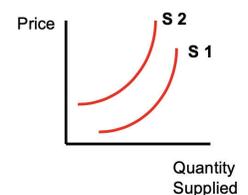
Scenario 4: 500 new technology-based companies open in California creating thousands of new jobs with an annual salary of around $100,000.

(a) Demand
(b) Demand will increase
(c) See Graph
(d) Demand will increase because of the change in the income of consumers
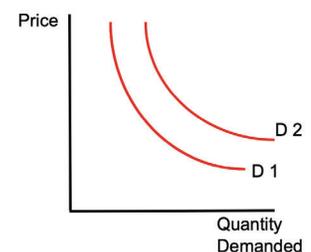
Scenario 5: A report by the EPA is released saying that California has the cleanest air in the nation.

(a) *Demand*
(b) *Demand will increase*
(c) *See Graph*
(d) *Demand will increase because of the change in consumer taste and preferences*
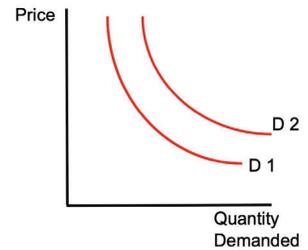
California's Population and Housing

Comprehension - Looking back at the data. What questions do you have about the supply of housing units match and the demand of population growth in California? Reference specific data in your answer.

Answers will vary

Analysis - Given the data predictions that you made and the supply and demand shifts in scenarios - What trends do you see continuing in the housing market in California? Reference specific data in your response.

Answers will vary

Opinion - Given the trends mentioned above, what specific issues do you think we need to pay attention to regarding the housing market in California and population growth?

Answers will vary

Opinion/Prediction - How do you think rent control might impact the housing market in California?

Answers will vary

Census Reflection - Given all of the data that you analyzed in this activity, why do you think full participation for your community is essential in the 2020 Census?

Answers will vary

Lesson Reflection - Review all parts of this activity. What questions or uncertainties do you have after completing all sections? How confident do you feel in your ability to read and explain trends in populations data gathered over time and supply/demand shifters are they relate to the housing market? Explain.

Answers will vary