

Honey, Honey, Honey Statistics

Name: _____ Date: _____ Period: _____

According to the National Agricultural Statistics Services (NASS), published by the United States Department of Agriculture (USDA), honey production and prices have fluctuated over the previous few years. Read, translate, and use each fact provided to learn more about how honey production and prices have changed!

Fact #1: In 2017, there were 2.67 million colonies producing honey in the United States, which was 4% less than the number of colonies producing honey in 2016.



- Write an equation that can be used to find the number of colonies, c , that produced honey in 2016.
- Solve the equation.
- Write a complete sentence to explain what your solution represents.

Fact #2: In 2017, honey production reached 148 millions pounds, which was 9% less than production in 2016.



- Write an equation that can be used to find the amount of honey production, p , from 2016.
- Solve the equation.
- Write a complete sentence to explain what your solution represents.

Fact #3: In 2016, the average amount of honey produced per colony was 58.3 pounds. This was 5% more than the amount produced in 2017.



- Write an equation that can be used to find the amount of honey produced per colony, h , in 2017.
- Solve the equation.
- Write a complete sentence to explain what your solution represents.

Fact #4: The price for honey in the United States was approximately 215.6 cents per pound in 2017 and 211.9 cents per pound in 2016.



- Was this an increase or decrease in price per pound?
- Determine the price for honey percentage change from the year 2016 to 2017.

$$\frac{\text{New Value} - \text{Original Value}}{\text{Original Value}} \times 100$$

- Should your final answer be a positive or negative value? Explain.

Optional Extension: Choose one of the facts provided about honey production and/or price. Create a bar graph or pie chart to visually represent that particular set of statistics.