FLORIDA INVADED BY BURMESE PYTHON Individual Worksheet

Which pythons will you study?

Python _____

Python _____

Go online to the Python Tracking page. Scroll down to the section titled, Determining the Speed and Reproductive Habits of Pythons. Click the Distance Traveled icon. Use the information in the table to answer the following questions.

Determine the average daily speed of each python.

- **1.** First add the distances traveled.
- **2.** Because the distances cover a 90-day period, divide the total distance by 90 days. Divide the whole number by 90, and divide the fraction by 90.
- **3.** Then add the two numbers.

Your answer will be the number of miles traveled per day in the form of a fraction.

Python _____

Python _____

Which python had the faster speed? (Show your work.)

Most people will have difficulty understanding the fractions that represent the average daily speed of your pythons. Use a calculator to divide the fractions to a decimal. Find a common fraction that is close to the value.

Example:
$$\frac{47}{198} = 0.237$$

0.237 is close to 0.25, which is $\frac{1}{4}$. This python's speed is close to $\frac{1}{4}$ of a mile per day.

Python _____

Python _____

What is the average weight of your pythons?

Python _____

Python _____

Every year, pythons typically eat 5 pounds of food for each pound of weight. How much food do your pythons eat in a year?

Python _____

Python _____

The grid shows snake nests near Everglades National Park Headquarters. Each side of a small square on the grid = $\frac{1}{4}$ mile. Color the squares that represent each square mile on the grid. Use a different color for each square mile.



Snake Nests near Everglades National Park Headquarters

Count the number of nests in each square mile. Find the average number of nests per square mile.

On the Python Tracking page, click the Reproductive Rates icon. Use the information provided in Reproduction Rates of Pythons to determine the reproduction rates for your pythons. The reproduction rate can be written as a fraction with the number of hatched eggs in the numerator and the number of laid eggs in the denominator. Show the reproduction rates for your pythons as a fraction in reduced form.

Python _____

Python _____

Each of your pythons will have 10 nests of 34 eggs in its lifetime. On the basis of the rates you computed above, how many snakes will your pythons produce?

Python _____

Python _____