Bringing Up Bass Babies

OBJECTIVE

The student will apply math skills to managing growth of white seabass.

ACTION

1. Give students worksheets, pencils, and calculators.

2. Have students work alone or in teams to answer the questions. They should show their work on the back side of the funsheet

ANSWERS

1. 40,500 brine shrimp.

2. 8.6% of total number of brine shrimp

3. total number of brine shrimp eaten during the first 49 days.

8.6% (first 21 days)

91.4% (following 28 days)

4. a. 167 brine shrimp   b. 1,321 brine shrimp

5.
Pond	A	B
# shrimp	83,500	990,760
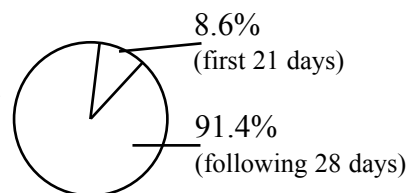
DEEPER DEPTHS

Have students figure how much brine shrimp 500 white seabass would need, and have them develop a food budget for the project

MATERIALS

Per student:
• copy of *Bringing Up Bass Babies* funsheet page 4
• pencil
• calculator
• colored pencils or markers

Name _____

Bringing Up Bass Babies

You are the manager of the Hubbs/SeaWorld Research Institute's white seabass hatchery. You have been asked to use the data in your files to help some scientists learn more about the eating habits of seabass hatchlings.

For the first 49 days of their life, the white seabass hatchlings at the Hubbs/SeaWorld Research Institute eat brine shrimp. After that, they're fed a commercial meal pellet food. Because careful records have been kept, we know exactly how many brine shrimp one hatchling eats.

During the first 21 days: 3,500 brine shrimp total
During the following 28 days: 37,000 brine shrimp total

Use this data to learn more about the eating habits of white seabass hatchlings.

1. Estimate the total number of brine shrimp one white seabass eats during the first 49 days of its life. _____

2. What percent of the total number of brine shrimp does a hatchling eat during the first 21 days? _____

3. Make a pie chart that illustrates the answer to question 2.

4. What is the average number of brine shrimp one white seabass eats per day during:

   a) First 21 days (3500/21=?) _____

   b) the following 28 days _____

5. Pond A holds 500 seabass that are 11 days old. Pond B holds 750 bass that are 45 days old. Use what you discovered in Question 4 to determine how much you should feed pond A and pond B today.

Pond	A	B
# shrimp	_____	_____