



# ZOO MATH



## GRADE 6

### STANDARDS

- MA.5.NBT.5
- MA.5.NBT.6
- MA.5.MD.1

### OBJECTIVES

- Students will perform mathematical functions while solving story problems involving the zoo.

### PROCEDURE

- Have students solve the story problems on the worksheet included.

### RECOMMENDED ASSESSMENT

- Ensure that the students have the correct answers.

### ANSWER KEY

1. 2 seconds
2. 900,000  
6,300,00  
327,600,000
3. 11 ounces  
12.5%
4. 168 oz/week (10.5 lbs)  
720 oz/month (45 lbs)
5. 4,015 lbs.
6. 1,365 lbs.
7. 3 animals
8. \$3,125,000
9. 4.6%  
4,711







# ZOO MATH

Find the solutions to these problems



Name \_\_\_\_\_

5. A lioness can eat about 11 pounds of food in a day. How many pounds does she eat in a year?
  
  
  
  
  
  
  
  
  
  
6. There are 15 lions in a pride, and each one eats about 13 pounds of meat per day. In one week how many pounds would the whole pride eat?
  
  
  
  
  
  
  
  
  
  
7. About how many 500-pound animals would the pride have to kill each week in order to make sure each of the 15 lions gets a full meal all seven days?
  
  
  
  
  
  
  
  
  
  
8. The Fort Wayne Children's Zoo has 500,000 visitors each year. If each visitor spends about \$6.25 during their visit, how much is the zoo's annual income from zoo visitors?
  
  
  
  
  
  
  
  
  
  
9. In one year, 31,408 wild parrots were imported for the pet trade. A total of 1,451 were dead on arrival. What percent of the birds died? Another 15% of the parrots died during their quarantine period. How many is this?

