

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
- 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



fort wayne children's

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Name _____

1. Using echolocation, a bat can detect an insect up to 3 feet away. A moth is 91 feet away from a bat. The bat is flying at a speed of 44 feet per second. How long will it be before the bat detects the moth?

2. In one night a single bat can eat 3,000 insects. How many insects can 300 bats eat in one night? one week? one year?

3. A captive gibbon might eat 24 ounces of food every day. This includes 8 ounces of kale, 3 ounces of cabbage, and 2 ounces of beans. How many ounces of other unnamed foods does he evidently eat in a day? What percent of his food is made up of cabbage?

4. If the same gibbon still eats 24 ounces of zoo food each day, how much will he eat in one week? In one month (30 days)? Convert your answers into pounds.







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?

