

6th Grade FM

Name: _____

Word Problems (Number Sense) #2

Date: _____ Per: _____

Solve the following word problems by writing the important information, verbal model, expression, work, and complete sentence answer.

1. A local petting zoo had a total of 98,464 visitors last year. The zoo was open every day except Thanksgiving, Christmas, and New Year's Day. What was the average number of visitors per day?

2. The area of a rectangular flower bed is $6\frac{1}{2}$ square feet. The width of the flower bed is $\frac{3}{4}$ feet. What is the length of the flower bed?

3. A high school track is 9.76 meters wide. It is divided into 8 lanes of equal width for track and field events. How wide is each lane?

4. Ramon's hobby is raising parrots. The table gives the weights of five of his birds.

Parrot	Weight (oz)
Jack	6.102
Tippy	5.98
Fritz	6.058
Danny	6.8
Abe	6.06

A. A female parrot that weighs 13.44 ounces has a chick that weighs 0.56 ounces. How many times the chick's weight is the weight of the mother?

B. Ramon has an African Grey parrot named Curly that weighs 17.4 ounces. How much heavier is Curly than Tippy?

C. Ramon buys five 3- pound bags of natural parrot food for \$8.79 per bag and two 5-pound bags for \$13.90 per bag. What is the total cost of parrot food? What is the average cost per pound of parrot food?

5. Denise sells pizza for \$0.89 a slice. Each slice of her pepperoni pizza is $\frac{1}{8}$ of a pizza. Each slice of her mushroom pizza is $\frac{1}{10}$ of a pizza. Today she sold all of the slices of 7 pepperoni pizzas and 6 mushroom pizzas. How much money did she make?

6. One event at a debate tournament lasted $2\frac{4}{5}$ hours. Each contestant spoke for $\frac{2}{15}$ of an hour. How many contestants were there?

7. Juan plans to build a bookcase to store his paperback books, DVD's, and CDs. He has lumber that he will use for the sides and back of the bookcase. The bookcase will have five shelves, and each shelf will be $2\frac{1}{2}$ feet long.
- A. Juan bought a piece of lumber that is 18 feet long. Does he have enough lumber to make the five shelves? If not, how much more does he need? If so, how much will be left over?

B. DVD cases are $\frac{9}{16}$ inch wide. If Juan has 60 DVDs, how many of them will fit on one shelf? How wide would a DVD case have to be in order for 60 of them to fit on one shelf?

C. Juan has 28 paperback books. Each book is $1\frac{1}{4}$ inches wide. Will all his books fit on one shelf? If not, how many will fit and how many will have to go on another shelf? If yes, how many more paperback books, if any, will fit on the same shelf?

D. Juan measured the location for the bookcase and realized that his shelves can be no more than $1\frac{3}{4}$ feet wide. What is the maximum number of shelves Juan could build for this new bookcase using the lumber he bought? How many paperback books will he be able to store on each of the shorter shelves?