

Writing & Solving Linear Equations

Name: _____

Date: _____ **Period:** _____

Read, write and algebraically solve the following problems. You must write a “let statement”, a target sentence, and show all your work.

- 1) Mike bought 8 new baseball trading cards to add to his collection. The next day his dog ate half of his collection. There are now only 27 cards left.
How many cards did Mike start with ?

- 2) Oceanside Bike Rental Shop charges 11 dollars plus 6 dollars an hour for renting a bike. Keith paid 41 dollars to rent a bike. How many hours did he pay to have the bike checked out ?

- 3) The sum of three consecutive numbers is one hundred two.
What is the smallest of the three numbers ?

- 4) The sum of three consecutive even numbers is one hundred eight.
What is the smallest of the three numbers ?

- 5) Benny bought a soft drink for two dollars and six candy bars. He spent a total of twenty dollars. How much did each candy bar cost ?

6) On Monday, 216 students went on a trip to the zoo. All 5 buses were filled and 6 students had to travel in cars. How many students were in each bus ?

7) The sum of three consecutive odd numbers is 69.
What is the smallest of the three numbers ?

8) Tom sold half of his comic books and then bought nine more. He now has fifteen. How many did he begin with ?

9) Jessica spent half of her allowance going to the movies. She washed the family car and earned seven dollars. What is her weekly allowance if she ended with eleven dollars ?

10) Melanie had 333 dollars to spend on 9 books. After buying them she had 18 dollars. How much did each book cost ?