



Linear Equations worksheet

1. Three times a number increased by ten is equal to twenty less than six times the number. Find the number.
2. If twice the difference of a number and 3 is added to 4, the result is 22 more than four times the number. Find the number.
3. Aaron is 5 years younger than Ron. Four years later, Ron will be twice as old as Aaron. Find their present ages.

- There are 356 Grade 8 students at Euclid's Middle School. Thirty-four more than four times the number of girls is equal to half the number of boys. How many boys are in Grade 8 at Euclid's Middle School? How many girls?
- The sum of two consecutive multiples of 5 is 55. Find these multiples.
- The difference in the measures of two complementary angles is 12° . Find the measure of the angles.

7. Amina thinks of a number and subtracts $\frac{5}{2}$ from it. She multiplies the result by 8. The final result is 3 times her original number. Find the number
8. A family member has some five-dollar bills and one-dollar bills in their wallet. Altogether she has 18 bills and a total of \$62. How many of each bill does she have?
9. A farm raises cows and chickens. The farmer has a total of 42 animals. One day he counts the legs of all of his animals and realizes he has a total of 114. How many cows does the farmer have? How many chickens?