

Name: _____

Math is Gold

Date: _____

Topic: Solve Equations (One variable)

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Title: Translate each problem into an equation and then solve it. Use x as the unknown variable.

1) After a discount of \$50, a jacket costs \$90. What is the original price of the jacket ?	2) Ten pounds less than Mary's weight is 250 pounds. What is Mary's weight ?
3) Sara scored 90 points in a test. That is 16 more than Mary's score. What was Mary's score ?	4) Sixty less than a number is 120. What is the number ?
5) Sum of 70 and a number is 104. What is the number ?	6) Fifteen more than a number is 75. What is the number ?
7) A number increased by 30 is 125. What is the number ?	8) If Tom's age is decreased by 12, the result is 30. What is Tom's age ?
9) A number decreased by 15 is 93. What is the number ?	10) Five hundred less than Joe's salary is \$2500. What is Joe's salary ?

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11) A library has 5 more Chemistry books than Math books. If the number of Chemistry books is 20, what is the number of Math books ?

12) A tennis varsity team has 4 members less than junior varsity team. if the varsity team has 8 members, how many are there in junior varsity team ?

13) Seventeen less than a number is 60. What is the number ?

14) Team-A scored 10 points less than Team-B. If the score of Team-A is 30, what is the score of Team-B ?

15) The sum of 73 and a number is 100. What is the number ?

16) After a raise of \$1500, Bill's new salary is \$ 3500. What is Bill's original salary ?

17) In a parking lot, there are 10 more Toyota cars than Honda cars. If there are 35 Toyota cars, how many Honda cars are in the parking lot ?

18) After a loss of 20 pounds, Joe's new weight is 155 pounds. What is Joe's original weight ?

19) After a rebate of \$500, the price of a car is \$ 23,500. What is the original price of the car ?

20) A snack costs \$2 more than a drink. What is the cost of the drink, if the snack costs \$3.50 ?