



Name _____

Per _____

Solving Equations

To solve any equation: you must isolate the variable. This means to get the variable by _____.

To isolate the variable, use the inverse, or _____ operation of what is being done to the variable.

Inverse operation of:

addition:

subtraction:

multiplication:

division:

1. The Patriots had p points when they went into the fourth quarter and scored an additional 7 points in the game. They ended (and won) the game with 28 points. How many points did they have to start the fourth quarter?



*Let $p =$ _____

**Write an equation:

_____ = _____

Solve:

2. Mrs. Doolan had x pencils on Monday and gave 5 away. On Tuesday she had 16 pencils. How many pencils did Mrs. D have on Monday?



*Let $x =$ _____

**Write an equation:

_____ = _____

Solve:

3. Pat babysat for the Gows on Saturday night for four hours and earned d dollars per hour. Pat earned \$48. What is Pat's rate per hour?

*Let $d =$ _____

**Write an equation:

_____ = _____

Solve:



4. The gym class had s students which Mrs. McCullough divided into 5 teams. Each team had 6 players. How many students are in the class?



*Let $s =$ _____

**Write an equation:

_____ = _____

Solve: