

MasterMath

Name _____

Solving one- and two-step equations

Date _____

1. Solve these equations.

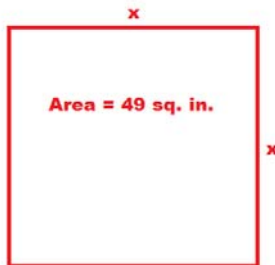
equation	solution
$3p - 6 = 42$	16
$2z + 5z - 8 = 13$	3
$48 = 6z$	8
$16 - 3a = 22$	-2
$5x - 2x + 8 = 44$	12
$5c - 13 = 12$	5
$3.5x + 2.5 = 13$	3

equation	solution
$1/2z + 6 = 36$	60
$2z + 16 + 3z = -34$	-10
$1/2 z + 2 = 16$	28
$16 - 4x = -16$	8
$16 + 5 = 4x - 7$	7
$3.4x + 5 = 22$	5
$3/8 = r + 2/3$	- 7/24

2.

You can get a ticket to the game on StubHub for \$14.50 off the original price. You pay \$17.50 for the ticket. What was the original price?

3. What does x equal?



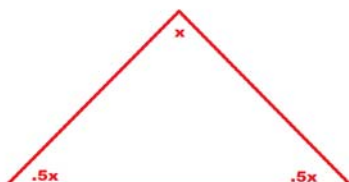
4. Your summer job pays you \$5.50 per hour. Last week you earned \$178.75. How many hours did you work?

5. You have dinner at Louie's and the total comes to \$11.50. You ordered lasagna and a salad. The salad cost \$2.50, and you left a tip of 15% of the bill. How much was the lasagna?

6. Your store sells hats and belts. You sold \$60 worth of product on Friday. Your hats sales were $1/2$ of your belt sales. How many dollars worth of hats did you sell Friday?

7. Last year, on average, 625 people attended each basketball game. This year, so far you have played 3 games and the attendance was 560, 640 and 675. How many people need to see the 4th game to reach an average attendance of 625 for the 4 games?

8. The sum of the angles of a triangle is 180° . What is the value of x ? How many degrees are in each of the other two angles?



angle	degrees
x	90
$.5x$	45