

# MasterMath

Name \_\_\_\_\_

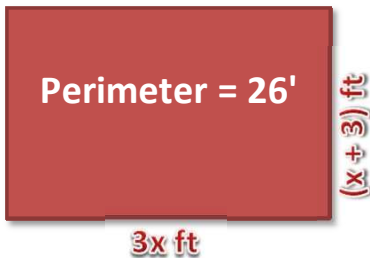
## Solving Multi-Step Equations Part 2

Date \_\_\_\_\_

1. Solve for x

$2(x+3) = 4x$	$x = 3$
$2.5x - 3(x+1) = 12$	$x = -18$
$6x + 3 - 4x = 4x + 5$	$x = -1$
$\frac{1}{4}(x + 2) = 8$	$x = 30$
$4.2 + 1.8(2x + 3) = 45.6$	$x = 10$
$3x - 12 = 6x + 18$	$x = -10$
$x(6 + 3) = 2x + 28$	$x = 4$
$2x = 6 + 3x$	$x = -6$
$4(x + 2) = 20 - x$	$x = 2.4$

2. Solve for x



$x = 2.5'$

3. You can get tickets for the league Championship Game from a ticket broker for \$45 per ticket, plus a handling charge of \$3 per ticket, and a processing fee of \$15 for the entire order. You pay \$399.00. How many tickets do you purchase?



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4. The height of a rectangle is 2.5 cm more than the width. The perimeter of the rectangle is 41 cm. Write an equation that will allow you to determine both the width (w) and the height of the rectangle.

Equation	Width	Height
$2w + 2(w + 2.5) = 41$	9 cm	11.5 cm

5. You have quarters and dimes that total \$2.55. The number of dimes is 8 more than the number of quarters. Write an equation that will allow you to determine both the width (w) and the height of the rectangle.



Equation	dimes	quarters
$.25q + .1(q + 8) = 2.55$	13.0	5