

Consider the following system:

$$\left(\frac{3}{4}x + \frac{5}{2}y = 11\right) \checkmark$$

$$\left(\frac{1}{16}x - \frac{3}{4}y = -1\right) / \left($$

B. (8,2)

$$3x + 10y = 44$$

$$(x - 12y = -16) - 3$$

$$3x + 10y = 48$$

$$-3x + 36y = 48$$

$$46$$

$$46$$

$$46$$

$$46$$

$$3x + 20 = 44$$

$$-20 - 20$$

$$3x = 24$$

$$-20 - 20$$

$$3x = 24$$

$$-20 - 20$$

$$\frac{3 \times +10 y = 44}{-3 \times +36 y = 48}$$

$$\frac{4 \times +36 y = 48}{4 \times +36 y = 92}$$

Margaritas is a very popular restaurant. Occasionally, the restaurant provides lunch and/or dinner for a local charity house. Each lunch costs \$6.50. Each dinner costs \$10.25. The restaurant's expenses for providing the meals cannot exceed \$1,183.00 per trimester. equals \$675

If x represents the number of lunches and y represents the number of dinners, How many of each meal was provided if a total of 75 meals were provided.

(L+10=75)-6.50 -6.50L-6.50D=-487.50 6.50L+10.25=675 (+) 6.50L+10.25D=675 3.75D=187.50 3.75 3.75

n=50

50 pinners 25 lunches

You can only work up to 45 hours a week total at your two jobs. Working at the golf course pays \$8 per hour and working at the airport pays \$10. You need to earn at least \$380 each week in order to cover your expenses for the week.

Which of the following is the system of inequalities that models this problem if you used x for the golf course job and y for the airport job?

A.
$$x + 10y \le 45$$

 $8x + y \ge 380$
B. $8x + y \le 45$
 $x + 10y \ge 380$
C. $x + y \ge 45$
 $8x + 10y \le 380$
D. $x + y \le 45$
 $8x + 10y \ge 380$

$$x+y \leq 45$$