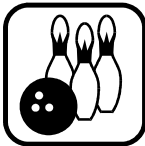


Partner Problems

Linear Equations and Inequalities



Directions: You will do all the problems in one column while your partner works on the problems in the other column. Problems numbered the same have the same answers. You must show all work to receive full credit.

1.	$2n + 15 = 29$	1.	$11 - 3n = -10$	
2.	$5x - (x - 3) + 2 = 7(2x + 4) - 19$	2.	$4x - 5(x - 2) = 9x + 14$	
3.	$(x + 2)(2x - 3) + 5x = (2x + 1)(x + 4) - 16$	3.	$2 + (x + 5)(3x - 4) = (3x + 2)(x - 1) + 4x$	
4.	$5a + 2 = 23 - 2a$	4.	$3a + 5 = 35 - 7a$	
5.	<p>On John's birthday his parents gave him \$112 to take himself and 7 of his friends bowling.</p> <p>In total, how many games can they bowl ?</p>	 <p>Sunny Lanes Shoes: \$1.50 Games: \$2.50</p>	5.	<p>A conference room can seat a maximum of 83 people. If the principal and 2 counselors need to meet with students, and each student must bring 1 parent, how many students can attend each meeting ?</p>

6.	$2d + 19 < 5$	6.	$5d + 8 < -27$
7.	$6t - 14 \geq 2t + 2$	7.	$7t + 15 \leq 13t - 9$
8.	$2m - 5(m - 4) \geq 8 + m$	8.	$5 + 11(2 - m) \geq m - 9$
9.	Which of the following is <i>not</i> a solution of $-4 \leq -6x + 2 \leq 8$ (1) 1 (2) 2 (3) 0 (4) -1	9.	Which of the following <i>is</i> a solution of $-1 < 3x + 5 < 8$ (1) -2 (2) -1 (3) 1 (4) 2
10	Renata has cellular phone service. Her monthly access fee is \$23.10, and she pays a flat rate of \$.24 per minute. If she wants to keep her monthly bill under \$30, how many minutes per month can she use ?	10	Craig is delivering boxes of paper to each floor of an office building. Each box weighs 64 pounds, and Craig weighs 160 pounds. If the capacity of the elevator is 2000 pounds, what is the maximum number of boxes he can deliver on each elevator trip ?