Einstein Review

Directions: If you are able to complete all 3 levels correctly before Monday you will get a fabulous prize. If you can complete the Einstein Level you will get the grand prize ☺.

Level 1

$\frac{2}{3}j = 14$	$-3 + \frac{n}{4} = 2$	$-2k + 9 = 15$
Write an equation and solve: Two less than three times a number is thirteen.	Write an equation and solve: Ten is four more than twice a number.	

Level 2

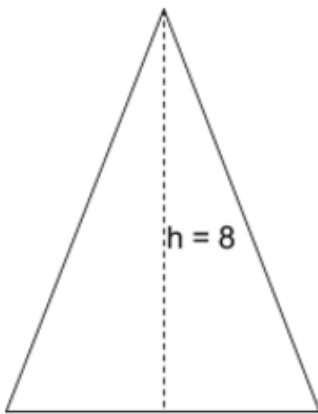| $3x + 12 = x - 8$	$-5(2n + 3) = 75$	$4(2x + 5) - 6 = 22$
$-6x + 10 = 2x - 14$	Jamal has eaten $\frac{2}{5}$ of his Halloween candy. So far he has eaten 14 pieces. How many pieces of candy did he get for Halloween?	

$10 - 2(x + 5) = 3x + 10$	$-3x + 5 - 2x = -2(x + 2)$
Paintball Company A charges $45 for equipment rental and $15 per hour you play. Paintball Company B charges $10 for equipment rental and $20 per hour you play. After how many hours will their costs be the same?	Greg signed a contract to rent an apartment. Greg paid a $300 deposit, and will pay rent monthly. If Greg pays a total of $9,300 for the year, how much did Greg pay in rent each month?

Einstein Level

The areas of the triangle and rectangle are equal. What is the value of x to make that true?

h = 8

b= x + 3

h = x - 1.5

b = 13