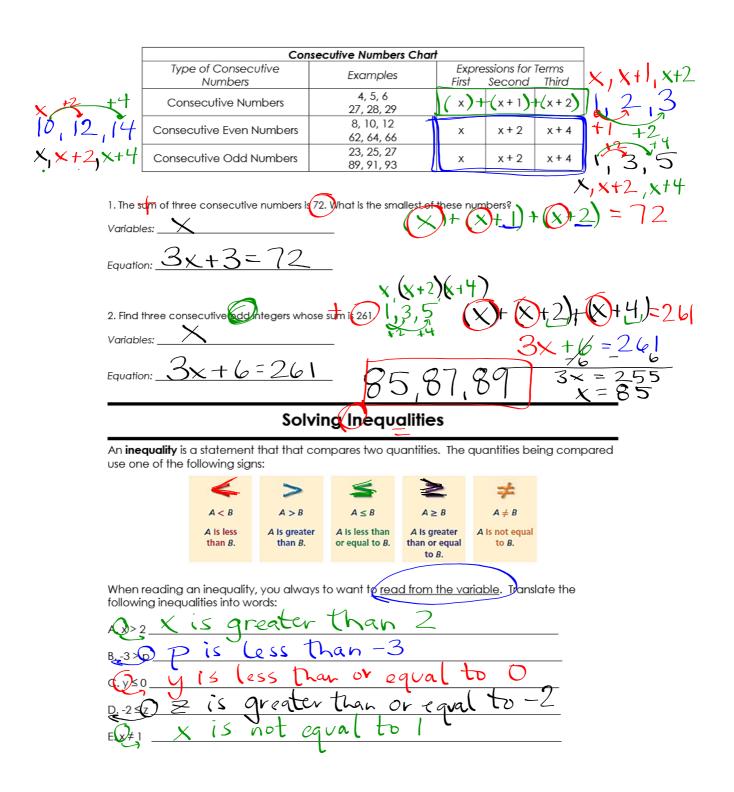
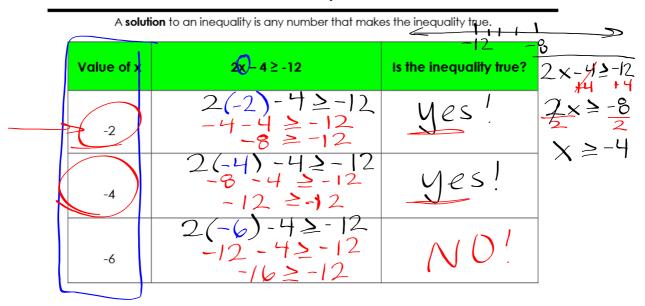
Warm-up	Name:_	
 Mrs. Jackson earned a \$500 bonus for signin hour. If her first week's check including the bo 	ng a one year contract to work	as a nurse. Her salary is \$22,0er did Mrs. Jacksop work?
Variables: h = # of hou		+22h=1204
Equation: 500+22h=120	4	$\frac{22h}{22} = \frac{704}{22}$
		h= 32 hours
 Morgan subscribes to a website for processing 4 by 6 inch prints are \$0.19. How many prints or 	ng her digital pictures. The sub did Morgan purchase if the cho	scription is \$5.95 per month and arge for January was \$15.83?
Variables: $X = \# $		+01912=15.83
Equation: $5.95+0.19 \times = 15$	<u>s</u> . 60 9. 13	0.19 = 9.88 0.19
		X=52 prints
3. A rectangle is 12m longer than it is wide. Its V	perimeter is 68m. Find its length	and width [Hint: $p = 2w + 2l$]. $V + V$
Equation: $\frac{4w+24=68}{}$	- Side W	ω
		W+12
W+W+W		-68
L = W + 12	tw+24-	= 68 -24
[= + 2	Hw=	44
L=23m	4	7
	ω	= 1/m



When graphing an inequality on a number line, you must pay attention to the sign of the inequality.

	Words	Example	Circle	Number Line
	Greater Than	x≯2	Open	5 4 3 -2 -1 0 1 2 3 4 5
-3>p	Less Than ← ← T	p ≼ -3	Open	5 4 3 -2 -1 0 1 2 3 4 5
P < -3	Greater Than or Equal To	z≥2 moreink	Closed	5 4 3 -2 -1 0 1 2 3 4 5
	Dess Than or Equal To	y .≤ 0	Closed	5 4 3 -2 -1 0 1 2 3 4 5
	Not Equal To	x≠l	Open	5 4 3 -2 -1 0 1 2 3 4 5

Solutions to Inequalities



Solving and Graphing Linear Inequalities

Solving linear inequalities is very similar to solving equations, but there is one minor difference. See if you can figure it out below:

