

Math 6 - Unit 4: One-Step Equations and Inequalities Name: _____

Get a Clue (Solving Equations)

Class Period: 1 2 3 4 Date: _____

Solve each equation and check your solution. You must show all work to get credit!

<p>Who?</p> <p>Jughead Archie Betty Veronica Cheryl Reggie Toni Sweet Pea</p>	1) $\frac{x}{12} = 12$	2) $m + 1 = 2.2$	3) $p - 12 = 18$
	4) $\frac{n}{3} = 1.5$	5) $x + 23 = 30$	6) $20 = 4x$
<p>Where?</p> <p>Riverdale High Archie's House Sweetwater River Pops Chock'lit Shoppe Betty's House Football Field Twilight Drive-In Thornhill Mansion</p>	7) $x + 0.5 = 4.5$	8) $75 + x = 100$	9) $16x = 32$
	10) $x - 8 = 19$	11) $x \div 3 = 4$	12) $10x = 1000$
<p>What?</p> <p>Cell Phone Football Crown Gargoyle Spider Pin Bulldog Water Polo Ball Newspaper</p> 	13) $k + 0.5 = 1.6$	14) $x - 3 = 0$	15) $\frac{x}{10} = 12$
	16) $5x = 100$	17) $10 + x = 21$	18) $2x = 16.4$
	19) $x + \frac{2}{3} = 3$	20) $\frac{x}{18} = 3$	21) $\frac{1}{7}x = 12$

Who? _____ **Where?** _____ **What?** _____

Find your answers below to eliminate people, places and things to determine who did the crime, where they did it and what they did it with.

Jughead 25	Archie 1.1	Betty 84
Veronica $\frac{1}{3}$	Cheryl 144	Reggie 7
Toni 2	Sweet Pea 11	Riverdale High 100
Archie's House 4.5	Sweetwater River 12	Pops Chock'lit Shoppe 20
Betty's House 54	Football Field 120	Twilight Drive-In $\frac{12}{7} = 1\frac{5}{7}$
Thornhill Mansion 1.2	Cell Phone 5	Football 3
Crown 4.7	Gargoyle 30	Spider Pin 4
Bulldog 8.2	Water Polo Ball 27	Newspaper $\frac{7}{3} = 2\frac{1}{3}$