

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