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| **Vocabulary Word** | **Definition** | **Picture** | **Learn more…** |
| graph | a way to show numbers or data with a picture | http://www.1stwebdesigner.com/wp-content/uploads/2010/07/chart-tools/tool-free-online-tools-to-create-diagrams-charts-flowcharts-graphs.jpgTypes of Graphs <http://www.1stwebdesigner.com/> |  |
| growth triangle | a right triangle that is made on a graph in order to find the slope | http://textbooks.cpm.org/glossary/cc3/growthtriangle.png**change in y-value****change in x-value**The line makes the hypotenuse of the growth triangle. adapted from textbooks.cpm.org |  |
| parabola | U-shaped curve on a graphy = ax2 + bx +cwhere a does not equal 0(can open up or down) |  http://dj1hlxw0wr920.cloudfront.net/userfiles/wyzfiles/e181a8ce-1673-40f0-858f-b24fded17986.gif  http://www.wyzant.com/ |  |
| parameter | in an equation with x and y variables, there are usually parameters (like the m and b variables below) that are usually replaced with numbersy = mx + b slope y-intercept | http://www.optimizesmart.com/wp-content/uploads/2013/01/LA-8-equation-of-straight-l.jpg http://www.optimizesmart.com/ |  |
| rule | the math that needs to be done to get from the input to the output**Sample rules**:1. Add 5
2. Divide by 3, then add 2
3. Multiply by 7, then subtract 1
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| Input | Output |
| 5 | 13 |
|  6 | 15 |
| 9 | 21 |
| 10 | 23 |

The rule here is to multiply by 2 and add 3. |  |
| solution | the answer(s) to an equation or inequality ≤   |   10 = x + 3 -3 = - 3 7 = x**7 is the solution for this equation** |  |
| tile pattern | figures made of algebra tiles that change in a pattern by the same amount each time. Each figure to the right adds 2 tiles. | http://www.doe.mass.edu/mcas/images/db/08math05q17-2.gif **+2****+2****+2**  www.doe.mass.edu |  |
| variable | a letter that represents an unknown value | 2x + 8 – 9y **Variables** |  |
| xy table | a way to organize data, also known as an input and output tableThe table can be used to make a graph and/or to organize data. | http://ssrsbstaff.ednet.ns.ca/math6supplement/_Media/url-12.gif http://ssrsbstaff.ednet.ns.ca/ |  |
| y-intercept | the point where a line meets the y-axishttp://images.tutorvista.com/cms/images/67/slope-intercept-equation.png http://math.tutorvista.com/ | http://www.mathsisfun.com/images/intercept.gif http://www.mathsisfun.com/ |  |