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| **Vocabulary Word** | **Definition** | **Picture** | **Learn more…** |
| absolute value | the distance a number is from zero  The answer will always be positive (+). | http://b68389.medialib.glogster.com/media/d865dd5c5e143a6f35e8f384accf9f1d476dcd29e435618b4cad076ea4aca5ed/absolute-value.jpg |  |
| coordinate graph | a graph with the x-axis and y-axis that you can plot ordered pairs on | http://etc.usf.edu/clipart/49200/49288/49288_graph_0505b_lg.gif  [etc.usf.edu](http://etc.usf.edu/clipart/49200/49288/49288_graph_0505b.htm) |  |
| decimal  (point) | a dot or point that splits up a number to show place value  It separates the ones from the tenths in the number.  decimal point  25.39  ones tenths | http://www.mathsisfun.com/images/decimals.gif    <http://www.mathsisfun.com/> |  |
| equivalent fractions | fractions that equal each other, but have different denominators  **How do I make an equivalent fraction**?  Multiply or divide each fraction (top and bottom) by the same number.  http://mathterms.edublogs.org/files/2013/02/fraction-wdz7eo.gif  <http://mathterms.edublogs.org/> | fraction bars    <http://michelelawrence.net/> | <http://www.coolmath4kids.com/fractions/fractions-04-equivalent-01.html>  <http://www.mathsisfun.com/equivalent_fractions.html>  Equivalent Fraction Game <http://www.sheppardsoftware.com/mathgames/fractions/memory_equivalent1.htm> |
| equivalent ratios | ratios that have the same value, but look different  **How do I make an equivalent ratio**?  Multiply or divide each number in the ratio by the same number.  http://pad1.whstatic.com/images/thumb/a/a5/Calculate-Ratios-Step-3.jpg/670px-Calculate-Ratios-Step-3.jpg | http://www.mathematicsdictionary.com/english/vmd/images/e/equivalentratios.gif    <http://www.mathematicsdictionary.com/> |  |
| fraction | a part of a whole  part  whole | There are 3 pieces of pizza left out of a total of 4 pieces = ¾  http://www.mathsisfun.com/images/fraction.gif  mathisfun.com | More Information:  <http://www.mathsisfun.com/fractions.html>  Fractions Games:  <http://www.mathwarehouse.com/games/our-games/fraction-games/> |
| greatest common factor  (GCF) | the biggest common (same number) factor between two (or more) numbers | http://edtech2.boisestate.edu/brianroska/images/venngcf.jpg  <http://edtech2.boisestate.edu/> | <http://www.mathsisfun.com/greatest-common-factor.html>  another way to find the GCF  <http://www.math.com/school/subject1/lessons/S1U3L2GL.html> |
| integers | the counting numbers; can be positive (+) or negative (-)  Integers can **NOT** be fractions. | http://www.mathsisfun.com/images/number-line.gif | <http://www.mathsisfun.com/whole-numbers.html>  Adding and Subtracting Integers  <http://www.mathsisfun.com/positive-negative-integers.html> |
| least common multiple | the smallest common multiple of two or more numbers  common = same | http://static.prometheanplanet.com/images/resources/resource-thumbnails/thumb-nprealg-04-01-0001-diagram-thumb-lg-png.png  [www.prometheanplanet.com](https://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&docid=clxf74VkT4bmUM&tbnid=kk4tpDRh7fdnfM:&ved=0CAQQjB0&url=http%3A%2F%2Fwww.prometheanplanet.com%2Fen%2FResources%2FItem%2F138592%2Fhow-do-you-find-the-least-common-multiple-by-listing-common-multiples&ei=7PnfU-WSEcWhyASmkYG4DQ&bvm=bv.72197243,d.aWw&psig=AFQjCNHns2kJzKm-e9S99n8xvWzCkEt7dg&ust=1407273819795161) |  |
| lowest terms | the smallest a fraction can be made | http://www.visualfractions.com/RenameLowestC/lowcircle1.gif |  |
| Multiplicative Identity | any number multiplied by 1 will give you the same number  5 \* 1 = 5  1,238 \* 1 = 1,238 | 3 \* = 21  4 \* = 28  http://upload.wikimedia.org/wikiversity/en/c/cf/7sgiant1.pngThe giant one can be used to make equivalent fractions.    <http://en.wikiversity.org/> |  |
| opposite (number) | the same number with the other sign (+/-)  **Opposite numbers:**  +5 and -5  +10 and -10  -243 and +243 | http://www.eduplace.com/math/mhm/5/01/ts_5_1_wi-6.gif  <http://www.eduplace.com/> |  |
| ordered pair | a pair of numbers used to locate a point on the coordinate plane  Hint: Run (horizontal) before you jump (vertical)!  http://www.webquest.hawaii.edu/kahihi/mathdictionary/images/orderedpair.png    adapted from: <http://www.webquest.hawaii.edu/kahihi/mathdictionary/O/orderedpair.php> | http://www.mathsisfun.com/images/coordinates-cartesian.gif  http://www.mathsisfun.com/ | <http://www.mathsisfun.com/definitions/ordered-pair.html> |
| origin | the point where the y-axis and the x-axis meet  (0,0) | https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTxhGOZrK1jiAL4pRkQ5O39TxUAkhZHOP91J7RVnbbc_h6x2g9kWA  http://zonalandeducation.com/ |  |
| percent | a number out of 100  percentage sign = %  67 = 67%  100 | http://www.math4ged.com/wp-content/uploads/2011/06/ged-math-percent-fraction-decimal-table.png    <http://www.math4ged.com/> | <http://www.mathsisfun.com/percentage.html> |
| point | an exact spot on a coordinate graph  A, B, C, D, and E are all **points** on this coordinate graph. | .  http://s3.amazonaws.com/illustrativemathematics/images/000/000/850/max/06.NS.8_Distances_in_eb540025223bc596660f48d46fef050d.jpg?1337151703  www.illustrativemathematics.org |  |
| portion | a part of something  a part of a whole  Your **portion** of the pie is one slice. | .  maitskireport.com  part  (portion)          <http://networksboise.wordpress.com/> |  |
| prime factors | a factor that is also a prime number *(a number with only two factors, one and that number)*  http://3.bp.blogspot.com/-D7KFeG8JpT8/U3YwjRwcgNI/AAAAAAAABhA/11jyAsZQK60/s1600/How+to+find+Prime+Factors+in+Java.gif <http://javarevisited.blogspot.com/> | http://coolmath.com/prealgebra/00-factors-primes/images/04-prime-factorizations-18.gif  <http://coolmath.com/> | Review prime numbers:  <http://www.mathsisfun.com/prime_numbers.html> |
| quadrant | one of the four areas in a coordinate plane | http://images.flatworldknowledge.com/redden/redden-fig03_x003.jpg  <http://catalog.flatworldknowledge.com/> |  |
| ratio | a comparison of two groups  **3 Ways to Write Ratios**  **to** 5 girls **to** 15 boys  **:**  5 girls **:** 15 boys  **fraction**  5 girls  15 boys | http://pad3.whstatic.com/images/thumb/1/1b/Calculate-Ratios-Step-2.jpg/670px-Calculate-Ratios-Step-2.jpg |  |
| sample | a smaller group used to represent what the larger group is like or thinks  Instead of asking every 6th grader what his or her favorite snack is, you could ask only 20 students and use that to represent the whole class. | http://www.holah.co.uk/images/sampleweb2.jpg  <http://www.urbanforestanalytics.com/> |  |
| scale drawing | the ratio between the length of a drawing or model compared to its length in real life  Scale    <http://www.mathsisfun.com/> | http://www.learningpod.com/apiproxy/content/a1f2712c-c69c-429e-9d14-0d95198016f1  <http://www.learningpod.com/> | <http://www.basic-mathematics.com/scale-drawings.html> |
| simplify | to change an expression to be easier to understand  \*no parentheses  ~~2x(5+3)~~  \*no like terms  ~~5a + 2a~~ | **5x - 3x +7**  **simplified: 2x +7** | Simplifying Expressions: <http://www.mathsisfun.com/algebra/simplify.html>  Simplifying Fractions:  <http://www.mathsisfun.com/simplifying-fractions.html> |
| whole | the total or all of something  The lady was so hungry she ate the **WHOLE** pizza!  http://media2.onsugar.com/files/2012/11/48/1/192/1922729/a0013f0ef047a618_woman-looking-at-pizza.xxxlarge_1.jpg      <http://www.fitsugar.com/> | http://3.bp.blogspot.com/-_rxYocn285Q/UJLNE3UFTQI/AAAAAAAAAAw/-bHFtfAaCB8/s1600/Math_K2_unit_image.jpg  <http://maribelochoa09.blogspot.com/> |  |
| x –axis | x –axis- horizontal line on a coordinate grid | http://www.gradeamathhelp.com/image-files/x-axis-and-y-axis.jpg  <http://www.gradeamathhelp.com/> |  |
| y-axis | y-axis- vertical line on a coordinate grid | http://www.gradeamathhelp.com/image-files/x-axis-and-y-axis.jpg  <http://www.gradeamathhelp.com/> |  |
| y-coordinate | the second (2nd) number in an ordered pair | http://classconnection.s3.amazonaws.com/404/flashcards/1067404/png/coordinate1326396908624.png  <http://www.studyblue.com/> |  |