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| **Vocabulary Word** | **Definition** | **Picture** | **Learn more…** |
| algebraic expression | math phrase that combines numbers **AND** variables (letters: 3b or 5x) by using  (+, -, \*, ÷)  \*does not have an equal sign (=) | http://passyworldofmathematics.com/Images/pwmImagesTwo/AlgEOne540x386JPG.jpg  <http://passyworldofmathematics.com/> |  |
| enlarge | to make bigger  This figure was enlarged 3 times or by 300%. | http://www.bbc.co.uk/schools/gcsebitesize/maths/images/graph_61.gif  <http://www.bbc.co.uk/> |  |
| equivalent expressions | two different ways to write the same expression | http://www.algebra1teachers.com/wp-content/uploads/2013/09/equivalent-expressions.png  <http://www.algebra1teachers.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/> |  |
| expression | math phrase that combines numbers by using +, -, \*, or ÷  **An expression does not have an equal sign (=).** | -5 + 11  7 \* 3  10 – 2 + 5 +3 | <http://www.mathsisfun.com/definitions/expression.html> |
| evaluate | to replace variables (letters) with numbers in an algebraic expression | **Evaluating an algebraic expression:**  6b + 5 where b = 2    (6 \* 2) + 5  12 + 5    17 | Watch a video:  <http://www.mathplanet.com/education/pre-algebra/introducing-algebra/evaluate-expressions> |
| 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 |  |
| reduce | to make smaller  Fractions can also be **reduced** to lowest terms. | http://www.mathwarehouse.com/transformations/dilations/images/picture-of-dilation-in-math2.png  Fraction reduced to lowest terms:  http://dj1hlxw0wr920.cloudfront.net/userfiles/wyzfiles/8085276f-4194-4375-90ea-8f84496a1c70.gif http://www.wyzant.com/ |  |
| similar figures | figures that have the same shape, but not the same size | http://www.beaconlearningcenter.com/weblessons/samssimilarshapes/Image3.gif  <http://www.beaconlearningcenter.com/> | More practice:  <http://www.beaconlearningcenter.com/weblessons/samssimilarshapes/default.htm> |
| substitution | replacing a variable with a number or expression | http://passyworldofmathematics.com/Images/pwmImagesTwo/Algebra_Substitution_Two_540x386JPG.jpg  <http://passyworldofmathematics.com/> |  |
| variable | a letter that represents an unknown value | 2x + 8 – 9y  **variables** |  |
| vertex (vertices) | the point where two lines or rays meet  vertices = more than one vertex  can also be a corner of a shape | http://www.resourcechannel.org/wp-content/uploads/2012/09/vertex.gif    <http://www.resourcechannel.org/>  http://www.mathguide.com/lessons/tb2.gif  [www.mathguide.com](http://www.mathguide.com) |  |