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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 biggerThis 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 + 117 \* 310 – 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 smallerFractions can also be **reduced** to lowest terms. | http://www.mathwarehouse.com/transformations/dilations/images/picture-of-dilation-in-math2.pngFraction 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 meetvertices = more than one vertexcan 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) |  |