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| **Vocabulary Word** | **Definition** | **Picture** | **Learn more…** |
| area | the amount of space **INSIDE** a shape | http://www.mathgoodies.com/images/fence_perimeter_area.jpg  Area is the space **INSIDE** the fence.  http://www.mathgoodies.com/ | <http://www.mathsisfun.com/geometry/area.html>  area vs. perimeter  <http://www.bgfl.org/bgfl/custom/resources_ftp/client_ftp/ks2/maths/perimeter_and_area/index.html> |
| composite number | a number that has **more** than two factors | http://www.mathatube.com/images/cccc2.jpg | Watch a video:  <http://www.mathsisfun.com/prime-composite-number.html> |
| even number | a whole number that can be divided by 2  10 ÷ 2 = 5 (10 is whole number)  **Examples:**  2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22…… | Even numbers end in 0, 2, 4, 6, or 8.  http://www.mathsisfun.com/numbers/images/even-odd.gif    mathisfun.com | <http://www.mathsisfun.com/definitions/even-number.html> |
| 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> |
| factor | numbers that can be multiplied together to get another number  24 ÷ 4 = 6  24 ÷ 6 = 4  6 and 4 are both factors of 24 | http://www.enchantedlearning.com/fgifs/factorrainbow.png  1 \* 24 = 24  2 \* 12 = 24  3 \* 8 = 24  4 \* 6 = 24  **1, 2, 3, 4, 6, 8, 12, & 24 are all factors of 24** | <http://www.mathsisfun.com/definitions/factor.html> |
| histogram | a special type of bar graph that shows a range for each bar  The range should be equal amounts for all bars.  The bars in the graph should touch each other. | http://avoca37.org/14carolynr/files/2011/10/Screen-shot-2011-10-26-at-4.48.14-PM.png  [avoca37.org](https://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&docid=iO-uFbp14zh-tM&tbnid=v1hpre7EaKpRmM:&ved=0CAQQjB0&url=http%3A%2F%2Favoca37.org%2F14carolynr%2F2011%2F11%2F01%2Fhistogram%2F&ei=91_eU8riCs6fyASvoYD4Cw&bvm=bv.72197243,d.aWw&psig=AFQjCNFuVqIHRPsbyConaWq0PEMppej9zg&ust=1407168882158243) | <http://www.studyzone.org/mtestprep/math8/e/histogram6l.cfm>  <http://www.mathsisfun.com/data/histograms.html> |
| multiple | the answer of multiplying a number (not a fraction) by another number  4 \* 2 = 8 (8 is a multiple of 4)  **Multiples of 4:**  4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, etc… | http://www.mathrise.com/UserFiles/Image/articles/multiplication-math-facts-for-four-4.gif    [www.mathrise.com](http://www.mathrise.com/Why-Learning-Math-Facts-May-Not-Be-Enough/) | For extra practice:  <http://jmathpage.com/JIMSMultiplicationfactorsandmultiples.html>  <http://www.mathsisfun.com/definitions/multiple.html> |
| odd number | a whole number that can NOT be divided by 2 (without a remainder)  **Examples:**  1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21….. | Odd numbers end in 1, 3, 5, 7, or 9.  http://www.mathsisfun.com/numbers/images/even-odd.gif    mathisfun.com | <http://www.mathsisfun.com/definitions/odd-number.html> |
| perimeter | the distance AROUND an object | http://www.leslienettling.com/perimeter(color).jpg  [www.leslienettling.com](http://www.leslienettling.com/Nettling5thOhioMathTable.htm) | <http://www.mathsisfun.com/geometry/perimeter.html>  area vs. perimeter <http://www.bgfl.org/bgfl/custom/resources_ftp/client_ftp/ks2/maths/perimeter_and_area/index.html> |
| place value | the value of a number is decided by its location | http://www.enchantedlearning.com/math/decimals/placevalue/gifs/ex.GIF | For extra practice:  <http://www.aaamath.com/g12ea_x1.htm>  <http://www.funbrain.com/tens/> |
| prime number | a number that only has two factors, one and that number  **Examples:**  7 only has *two* factors: **1 and 7**  19 only has *two* factors: **1 and 19**  **Nonexample:**  20 has *six* factors: **1, 2, 4, 5, 10, and 20**  *(It cannot be prime. It has more than 2 factors.)* | http://ocw.mit.edu/courses/mathematics/18-785-analytic-number-theory-spring-2007/18-785s07.jpg  <http://ocw.mit.edu/> | Watch a video:  <http://www.mathsisfun.com/prime-composite-number.html> |
| product | the answer of a multiplication problem | 3 \* 4 = 12 (12 is the product) |  |
| rectangular array | columns and rows that make a rectangular shape | The different rectangular arrays for 12  rectangular arrays  [www.learner.org](http://www.learner.org) |  |
| remainder | what remains or is left after a division problem | http://images.tutorvista.com/cms/images/38/remainder1.PNG  [math.tutorvista.com](http://math.tutorvista.com/number-system/division-with-remainders.html) | <http://www.mathsisfun.com/numbers/division-remainder.html> |
| scatter plot | a graph that plots points  It shows how the two sets of data relate to each other.  The graph to the right shows how many hours students study for a test and how that connects to the scores they received on the test. | http://www.icoachmath.com/image_md/Scatter-Plot1.gif  [www.icoachmath.com](http://www.icoachmath.com/math_dictionary/scatter_plot.html) | <http://www.mathsisfun.com/data/scatter-xy-plots.html> |