|  |  |  |  |
| --- | --- | --- | --- |
| **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> |
| compound events | the outcome depends on two or more events | http://www.shmoop.com/images/prealgebra/unit5/pa.5.148.png  [www.shmoop.com](http://www.shmoop.com) |  |
| desired outcomes | the outcome you want(ed) to happen | What is the probability of rolling a 5?  http://www.hallme.com/uploads/2012/02/5-dice.jpg  http://www.hallme.com/  The desired outcome is rolling a 5. |  |
| 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> |
| experimental probability | the probability that actually happens during an experiment | http://teachers.henrico.k12.va.us/math/ms/c20708/pics/5-1Note.png      <http://teachers.henrico.k12.va.us/math/ms/c20708/05ProbStat/5-1Probability.html> |  |
| lowest common denominator | the smallest number you can use for denominators in order to add or subtract fractions  **lowest** = smallest  **common** = same  **denominator** = bottom number in a fraction 1  4 | http://www.aldenschools.org/webpages/BNeidel/imageGallery/8-3a.png  <http://www.aldenschools.org/> | <http://www.mathsisfun.com/least-common-denominator.html> |
| interval | the numbers that are between two numbers  When you make a graph or number line, your intervals should be equal to each other.  http://www.sosmath.com/algebra/inequalities/pictures/pic03.gif      <http://www.sosmath.com/> | **Interval:**  All the values between two given end points.  **Interval Worksheet**  [www.splashmath.com](http://www.splashmath.com) | <http://www.mathsisfun.com/sets/intervals.html> |
| mean | a way to measure data by:   1. adding up all numbers 2. divide that by how many numbers were added   (also known as the “average”) | http://www.passyworld.com/passyImagesTwelve/MeanTwo500x346JPG.jpg  <http://passyworldofmathematics.com/> |  |
| measure of central tendency | different ways to measure data (mean, median, or mode) | http://www.eduplace.com/math/mhm/5/06a/ts_5_6a_wi-5.gif  [www.eduplace.com](http://www.eduplace.com) |  |
| median | a way to measure data by putting all of the numbers in order and then finding the middle number  *If there are two middle numbers, add the two numbers together and divide by two to find the median.* | http://www.mathsisfun.com/definitions/images/median.gif  [www.mathisfun.com](http://www.mathisfun.com) |  |
| 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 because it is equal to one.  <http://en.wikiversity.org/> |  |
| outcome | what happens during an event, the end result | http://4.bp.blogspot.com/-VbGGS9f4RzU/T3uHLB5cggI/AAAAAAAABmQ/li2XarCHbak/s1600/photo+4.JPG    <http://applesandabcs.blogspot.com/> | <http://www.studyzone.org/testprep/math4/d/outcomel.cfm> |
| outliers | a number that is not close to the other numbers in the data group | http://www.mathsisfun.com/data/images/outlier.gif  [www.mathisfun.com](http://www.mathisfun.com) |  |
| parallelogram | four sided figure that has two sets of parallel sides  http://www.wpclipart.com/education/geometry/quadrilateral/quadrilateral_parallelogram_T.png    <http://www.wpclipart.com/> | http://education-portal.com/cimages/multimages/16/shapes_parallelograms.png  <http://education-portal.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> |
| 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> |
| possible outcomes | what **could** happen | http://www.eduplace.com/math/mw/background/5/06b/graphics/ts_5_6b_tt-1.gif  [www.eduplace.com](http://www.eduplace.com) | <http://www.studyzone.org/testprep/math4/d/outcomel.cfm> |
| probability | a number that represents the chance of something happening | http://1.bp.blogspot.com/-zhRtA5lByyA/UfcD-SPiEUI/AAAAAAAAA3U/yE2zS8w08dM/s1600/afterstarter.jpg    <http://mrcollinsmaths.blogspot.com/> | <http://www.mathsisfun.com/data/probability.html>  <http://www.mathgoodies.com/lessons/vol6/intro_probability.html> |
| proportional relationship | two amounts that have the same ratio  **Example**:  If you babysit for 1 hour, you will get paid $9.00. If you babysit for 3 hours, you will get paid $27.  1 hour = 3hours  $9.00 = $27.00  When one is multiplied by 3, the other number is multiplied by 3. | https://gcps.desire2learn.com/d2l/lor/viewer/viewFile.d2lfile/6605/6712/unit_rate_graph.png  gcps.desire2learn.com | <http://www.mathsisfun.com/definitions/proportional.html> |
| rectangle | a four sided shape with all 90⁰ angles and 2 sets of parallel sides  http://www.coolmath.com/reference/images/rectangle3.gif  www.coolmath.com | http://euler.slu.edu/escher/upload/thumb/6/60/Rectangles.svg/300px-Rectangles.svg.png  http://euler.slu.edu/ |  |
| repeating decimal | a number where after the decimal point, the number never ends and continues to repeat | http://ecomatheasy.files.wordpress.com/2011/09/prealg_05_02_0003-diagram_thumb-lg.png    sites.google.com/a/d83.org |  |
| sample space | all of the possible outcomes | What is the probability of the spinner stopping on each of these colors?  http://0.tqn.com/d/math/1/0/Q/s/spinner1.jpg  ***Sample Space***: blue, red, yellow, green  **Probabilities:**  yellow: 1/12  Red: 5/12  Blue: 3/12 or ¼  Green 3/12 or ¼  picture from: <http://math.about.com/> | Practice this: <http://www.mathgoodies.com/lessons/vol6/sample_spaces.html> |
| Scaling  (a graph) | writing numbers down on the axis or axes of the graph  This graph has intervals of 10. | http://www.shmoop.com/images/algebra/alg_probstat_picsingvar_narr_graphik_10.png  <http://www.shmoop.com/> |  |
| terminating decimal | http://visual-math-vocabulary.wikispaces.com/file/view/terminating.jpg/234660054/354x163/terminating.jpg  <http://visual-math-vocabulary.wikispaces.com/> | .7  12.5167  0.239  381.2 |  |
| theoretical probability | the probability of something happening based on what **should** happen | http://robertson4thgrade.edublogs.org/files/2011/12/T4T-video-probability-2g9565o.jpg  What is the probability of rolling a 6?  http://robertson4thgrade.edublogs.org/ |  |
| trapezoid | a four sided figure with only one set of parallel sides  http://www.mathgoodies.com/lessons/vol1/images/trapezoid.gif  [www.mathgoodies.com](http://www.mathgoodies.com) | http://image.mathcaptain.com/cms/images/41/Trapezoids.JPG  <http://www.mathcaptain.com/> |  |
| triangle | a three sided figure | http://euler.slu.edu/escher/upload/thumb/c/cb/Triangles.svg/239px-Triangles.svg.png    <http://euler.slu.edu/> |  |