

Download Act Math Study Guide Formulas

ACT Math. The two biggest challenges of the ACT math test are the time crunch--the math test has 60 questions in 60 minutes!--and the fact that the test doesn't provide you with any formulas. All the formulas and math knowledge for the ACT comes from what you've learned and memorized. This guide takes you through all of the major math topics tested on the ACT so that you can know what and how to study for this section. How You Can Take Advantage of ACT Math Question Order Because the ACT is a standardized test, you can use its structure to predict what your own ACT will look like. ACT Math Facts & Formulas Averages, Counting, Statistics, Probability average = $\frac{\text{sum of terms}}{\text{number of terms}}$ average speed = $\frac{\text{total distance}}{\text{total time}}$ sum = average \cdot (number of terms) mode = value in the list that appears most often median = middle value in the list median of {3,9,10,27,50} = 10 median of {3,9,10,27} = $\frac{9+10}{2} = 9.5$ Math Formulas on the ACT [PDF] Unlike the SAT, the ACT does not provide you with a list of basic math formulas to rely upon at the beginning of the ACT math test. This means you will need to be able to recall math formulas on the ACT. Below you will find lists of "Must Know" ACT math formulas, "Good to Know" formulas,...