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Math reference sheets

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Due to the nature of the mathematics on this site it is best viewed in landscape mode. If your device is not in landscape mode many of the equations will run off the side of your device (you should be able to scroll/swipe to see them) and some of the menu items will be cut off due to the narrow screen width. Here is list of cheat sheets and tables that I’ve written. All of the cheat sheets come in two version. A full sized version and a "reduced" version. The reduced version contains all the information that the full sized version does except that each page from the full sized version has been reduced so that each page of the reduced version is two pages from the full version. With the exception of the Complete Calculus Cheat Sheet and the Integrals Cheat Sheet all the reduced versions will fit on one piece of paper. All of these are pdf files and so you will need the Adobe Viewer to view them. You can download the latest version here. If you wish to link to any of these files the URL for each one of them is also given. Algebra Cheat Sheet - This is as many common algebra facts, properties, formulas, and functions that I could think of. There is also a page of common algebra errors included. Currently the full version of the cheat sheet is 4 pages long. Full Version : Reduced Version : Trig Cheat Sheet - Here is a set of common trig facts, properties and formulas. A unit circle (completely filled out) is also included. Currently this cheat sheet is 4 pages long. Full Version : Reduced Version : Complete Calculus Cheat Sheet - This contains common facts, definitions, properties of limits, derivatives and integrals. Most of the information here is generally taught in a Calculus I course although there is some information that is generally taught in a Calculus II course included as well. The full sized version is 11 pages. Full Version : Reduced Version : Limits Calculus Cheat Sheet - This is the limits portion of the Complete Calculus Cheat Sheet. The full sized version is 2 pages. Full Version : Reduced Version : Derivatives Calculus Cheat Sheet - This is the derivatives portion of the Complete Calculus Cheat Sheet. The full sized version is 4 pages. Full Version : Reduced Version : Integrals Calculus Cheat Sheet - This is the integrals portion of the Complete Calculus Cheat Sheet. The full sized version is 5 pages. Full Version : Reduced Version : Common Derivatives and Integrals - Here is a set of common derivatives and integrals that are used somewhat regularly in a Calculus I or Calculus II class. Also included are reminders on several integration techniques. Currently this cheat sheet is 4 pages long. Full Version : Reduced Version : Table of Laplace Transforms - Here is a list of Laplace transforms for a differential equations class. This tables gives many of the commonly used Laplace transforms and formulas. Currently this table is 2 pages long. The table itself however is only the first page of the file. The second page is just a set of facts about some of the table entries. Full Version : “Cheat sheets” always helped me in school. Being a visual learner, they were a quick and easy way to memorize a lot of information in a short amount of time. Here are a list of my favorite free printables-from learning the bones of the body to trigonometry formulas.MATHEMATICSMath Cheat SheetWhat started as a personal reference sheet turned into my most viral post. This classic math cheat sheet has been downloaded by tens of thousands, comes in three color combinations, and helped me survive junior high.Algebra Reference SheetAlgebra Cheat SheetFour pages of easy-to-memorize algebra formulas.Trig Cheat SheetAlong with this incredibly detailed two-page Trig Cheat Sheet, this site has many other comprehensive “cheats” for all your math needs!ENGLISH, GRAMMAR AND COMPOSITIONParts of Speech and Sentences PrintableHere is an easy-to-follow yet comprehensive and detailed guide to the parts of speech and sentences! Includes the classic nine parts of speech, as well as the parts of sentences such as predicate adjectives, indirect and direct objects, and more.Transitions HacksSuper handy guide for memorizing transitions!SCIENCEHuman Skeleton PrintableThis human skeleton printable from Crayola allows you to fill in the blanks for the different parts of the skeleton. It also comes with an answer key.Similar coloring fill-in-the-blank worksheets from Crayola:Parts of the Human CellParts of the Human EyeSOCIAL STUDIES AND HISTORYBill of RightsMemorize your rights as a US citizen! Here’s a printable list.US Presidents PrintableDo you have your presidents memorized? Here’s a handy full-color chart for you to memorize! To download, you must create a free account on the site though. The site is loaded with high-quality freebies and learning tools for kids. If you want, you can download a simple black and white text-only list of the presidents. We have reference sheets for multiple grade levels. No account sign-up or email address required. Download all sheets as PDFs for free. As a high school math teacher, I have created a number of free printable math charts over the years for other teachers to use with students in their own classrooms. Each math chart is classroom-tested and student-approved. Below you will find a wide variety of printable math charts and reference sheets that can be used in math classrooms at the elementary, middle school, high school, or even college level. These calculus reference charts will make teaching or studying calculus so much easier! These exponent charts are especially useful for students when working with exponential and logarithmic functions. If you are a math teacher, you might also be interested in a large poster-sized version of these exponent charts. My students reference these math chart posters in my classroom constantly! These factor charts provide students with the factors or prime factorization of each number from 1 to 100. My algebra students find these factor charts especially useful when we are factoring trinomials or simplifying radicals. Elementary math teachers will appreciate these free printable number charts that can be used in a wide variety of ways in the math classroom. This collection of free printable multiplication charts and blank multiplication tables can be given to students as a reference chart or as a times table practice opportunity. Help your students learn their square numbers with these printable perfect square charts. Check out these free printable trigonometry charts that are perfect for students in a trig or pre-calculus class. Looking for a math chart not listed above? I have several other miscellaneous math charts that are available to download for free. Sarah Carter Sarah Carter teaches high school math in her hometown of Coweta, Oklahoma. She currently teaches AP Precalculus, AP Calculus AB, and Statistics. She is passionate about sharing creative and hands-on teaching ideas with math teachers around the world through her blog, Math = Love. Even though math seems like it’s mostly numbers and lines, there are actually a lot of facts to remember. These free, printable Math Reference Sheets is great for students who are learning basic math facts like place value, polygons, formulas, and more! Teaching hands-on math with free printable math mats is the best way to engage your children and keep them excited about math. They won’t get as overwhelmed with math when they can use a math mat to help them. Math mats work great for reinforcing new concepts students learn throughout the year they also teach and reinforce new skills. They are a great no-prep math activity to add to your homeschool math curriculum. You can use math mats to focus to improve mathematics skills for different grades. They can be used for early math concepts with primary math mats and an addition and subtraction math mat. Math mats can be used in the upper grades to help with critical thinking skills and memorization of vocabulary words and important math symbols. Math mats act as a quick printable cheat sheet when your child gets stumped with math. If they have trouble with a math problem they can glance at the sheet and use it as a reference to help them solve the problem. They won’t get as overwhelmed having to remember all the steps to a longer problem when they can use the sheet as a reference tool. Less math stress is great, right? This quick reference sheet has numbers 1 to 100, fractions, greater than less than, standard form, word form and expanded form of numbers, as well as a quick reference for coins. There is even the months of the year and days of the week which are commonly taught in the early years. The more they use it the more they will start to memorize what it is that they need to know. Download this math reference sheet at the bottom of this post. Number sense mats are a great option for kindergarten kids. Using building number sense math mats during your math lessons is the perfect way to teach number recognition and place value during your math time. This mat has numbers 1 to 100, hundreds, tens and ones, greater than less than, equal to, standard to expanded form, time and clock references as well as days of the week and the months of the year. It will work great alongside number sequencing worksheets. Downlod this math cheat sheet at the bottom of this post. Base ten mats will help your child to build and develop numbers from base ten blocks. There will be a picture of the base ten block and a space to write down which number is shown. This helps with place value and number sense. It is a great activity for children to be able to “see” math right in front of them. You can use dry erase pocket sleeves for the mats and dry erase markers which make them reusable. If you are learning about graphing, a graphing data mat will be a helpful tool for extra practice. It’s also got a multiplication chart 1 through 100 for times tables practice. There are different ways to use graphing paper. Learn how to use graph paper for math. Download this pdf math sheet at the bottom of this post. Geometry mats can help your kids remember the different shapes and their names as well as large vocabulary words. They are a great reference when needing to learn about shapes and lines. Need more geometry help? Check out this free geometry cheat sheet pdf. Fractions and decimals math work mats with visual models and number lines are very helpful for upper grades. There are many things to remember and they are a great tool to look back on when your student needs help. Be sure to also check out these free elementary fractions worksheets. Conversion mats can be used to convert inches to feet, grams to kilograms, inches to yard, yards to miles and so on. You can also use them to convert decimals to percents, and also learn the various math symbols. Download this math mat at the bottom of this post. You can also download a free metric conversion chart printable. Math mats work as a reference sheet that contain math facts kids need to learn. They are like cheat sheets, and you can use math mats for various grades and math concepts. There are many benefits to using a math mat or math reference sheet. They are a huge help for hands-on and visual learners and can be found posted in math centers. When children can see the answer it helps them to get it into their brain and they are quicker to memorize the facts or problems they need help with. They also reduce stress. Some children may get stuck on a large problem and can use the reference sheet to help them complete it. You may see a math reference cheat sheet in an interactive and reusable math center at a school or early learning center. They really are an easy and handy cheat sheet for kids when they need a little help to complete their math facts. There are different ways kids can play with math mats independently. Help them build their fine motor skills by counting out the number of objects on the mat and using pom poms as counters. You can give them write and wipe math mats and dry erase math mats with wipe-off markers to work on writing their numbers or simple math facts on. They can do these on their own without your help or use flash cards or worksheets to copy their problems down on. Engage your learners with math mat as a fun way to get some extra math help. Give them printable math mats with seasonal themes to work on during holidays or breaks. Send the kids outside for some outdoor learning by laminating the math mats or sticking them in a sheet protector. They can get wet or dirty and and you can reuse math mats again and again. These printable math mats have everything that you need to incorporate them into a daily math lesson plan. Children of all ages can easily learn math symbols and vocabulary words or take a quick peek at numbers 1 to 100 or as a handy multiplication chart for the harder math problems. Use these to easily convert decimals to percents, convert measurements and weights, greater than less than, equal to, and basic fractions. There are quick references to clocks and time and coins to help your children to quickly recognize money. There are even printed lists of the days of the week and the months of the year. You can also use these to learn place value with ones, tens and hundreds and practice writing out numbers in the millions and numbers in standard form, word form and expanded form. This post is a collection of free PDF math cheat sheets that you can print for student notebooks or even enlarge into posters and anchor charts for your math classroom. Some of the math cheat sheets were made for my own students, others were teacher requests. This post started years ago as a way to share for free the math cheat sheets I was making for my students. Since then, a bunch more math cheat sheets have been added to this post, mainly for algebra and algebra 2, and some for younger students based on teacher requests. Some now include links to short video tutorials. Algebra 2 Activities BundleEvery math cheat sheet PDF can easily be enlarged into a large classroom poster. Here is a quadratic keywords poster that I enlarged to 4 pages at home with Adobe Acrobat Reader DC. Math cheat sheets are a favorite classroom support, along with math word walls that support student learning throughout the year. Here is part of an algebra 1 word wall:Algebra Word WallDigital Math Escape Room Bundle for Algebra! LOVE THESE. They are easy to use for students and teachers. They are great review and / or assessment tool. They’re my favorite to use after reviewing for a “homework” grade. I know if they can get to the end of it they understood what we were doing. - 5 stars, Morgan M Welcome to our Math Mats page. We have a range of different Number and Shape Mats suitable for a variety of grades to support kids with their Math learning. Math Mats are a quick reference sheet with some of the key facts children should know. Different mats may be more suitable for different grades or levels of ability. Here are some of the key advantages of using a mat or reference guide: They provide the key facts that children need to know on one simple sheet. They are a great for using as a support sheet to help children work more independently. They can also be used to help children revise key facts or test each other. We have a range of different mats suitable for children from kindergarten and upwards. The mats have been designed to give children some of the key information they need such as: number lines up to 20; place value grids; 100 squares; multiplication squares; fraction-decimal equivalence; common measure conversions; mathematical symbols. This mat can be used on its own, or it could be printed on the reverse side of one of the number mats. Take a look at some more of our worksheets similar to these. We have a wide selection of printable math resources for your child. The resources on this page have all been specially designed for Kindergarten kids to use as visual aids or table top support pages. There are a wide variety of printables including number lines, number squares and math mats. Kindergarten Math Printables We have a wide range of printable fraction resources, from fraction strips to fraction information cards and fraction flash cards. Take a look below at some of our fraction printables pages. On this webpage you will find our range of basic math fact charts. There is a wide range of printable charts, including larger charts and mini charts, blank charts and partially filled charts. Using these charts will help your child to: learn their numbers up to 100; understand how to count on and back in ones and tens. Printable Number Charts 0-99 Hundred Number Charts (100 Squares) Here you will find a selection of Multiplication Times Table Charts to 10x10 or 12x12 to support your child in learning their multiplication facts. There is a wide selection of multiplication charts including both color and black and white, smaller charts, filled charts and blank charts. Using these charts will help your child to: Learn their multiplication facts to 10x10 or 12x12; Practice their multiplication table. All the free printable Math charts in this section are informed by the Elementary Math Benchmarks. Digit Cards We have a wide selection of printable digit cards. Our sets include: numbers to 10 numbers to 15 multiples of 10 multiples of 25 multiples of 100 mathematical operators These cards is a great way of producing a quick and easy interactive math display. How to Print or Save these sheets Need help with printing or saving? Follow these 3 steps to get your worksheets printed perfectly! How to Print or Save these sheets Need help with printing or saving? Follow these 3 steps to get your worksheets printed perfectly! Sign up for our newsletter to get free math support delivered to your inbox each month. Plus, get a seasonal math grab pack included for free! The Math Salamanders hope you enjoy using these free printable Math worksheets and all our other Math games and resources. If you have any questions or need any information about our site, please get in touch with us using the ‘Contact Us’ tab at the top and bottom of every page.