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Math quizzes for 7th graders

On this page you will find interactive math quizzes for seventh 7th grade online. We have math quizzes that cover topics such as: Algebra, Patterns, Decimals, Division, Metric System, Multiplication, Subtraction, Ratios, Percentages, Intergers, Factorisation, intergers, LCM, HCF, Powers, quadratic equations and more. Maths quiz for class 7 - 7th grade math quizzes   Download all printable grade 7 math worksheets here >> Solve for x in the equation: 2x - 3 = 11.x = 7x = 5x = 8x = 6Simplify the expression: 3(2x - 4) + 2.6x - 106x - 66x + 106x + 6Calculate the area of a circle with radius 7 units. (Use π = 3.14)153.86 sq units43.96 sq units87.92 sq units219.8 sq unitsWhat is the probability of rolling an even number on a standard six-sided die?1/21/31/41/6If a = 2 and b = 3, evaluate the expression 2a + 3b.13111517What is the sum of the angles in a triangle?180 degrees90 degrees270 degrees360 degreesWhat is 20% of 80?16204060Calculate the area of a triangle with base 6 units and height 9 units.27 sq units18 sq units54 sq units36 sq unitsSolve the equation for y: 3y = 27.y = 9y = 3y = 6y = 12Express the fraction 3/5 as a percentage.60%30%45%75%What is the slope of a line that passes through the points (2, 4) and (4, 8)?2143What is the volume of a cube with a side length of 3 units?27 cubic units18 cubic units36 cubic unitsSimplify the expression: 5x - 2(3x - 7).-x + 148x - 14-x - 148x + 14Find the area of a rectangle with a length of 8 and a width of 5.40 sq units13 sq units15 sq units30 sq unitsWhat is the mean of the numbers: 2, 5, 9, 13, 7?7.26.87.58.3What is the square root of 144?121416110What is 30% of 200?6050708031 3x + 2 = 14, what is the value of x?x = 4x = 3x = 2x = 5Solve the equation: 4x - 7 = 21.x = 7x = 6x = 8x = 5If the radius of a circle is 5, what is its area? (Use π = 3.14)78.5 sq units31.4 sq units62.8 sq units157 sq unitsYour 7th Grade Math Test Results:Evaluating...Try againPage 2What is the value of 7 in the number 1,675?7077007000Which of these is not a prime number?4235What is 15% of 200?3015202sWhich fraction is equivalent to 0.75?3/41/21/21/3A soccer game lasts 90 minutes. If 30 minutes have passed, what fraction of the game is left?2/31/21/31/4What is 1,600 divided by 40?4044004,000What is 1.25 + 2.5?3.753.503.254.00What is the next number in the pattern: 3, 6, 9, 12?15141617What is the least common multiple (LCM) of 3 and 5?15531What is the square of 7?49141242What is the cube of 4?64122416Which of these fractions is the smallest?1/41/31/22/3What is 1/2 + 1/4?3/41/2/32/3What is the decimal equivalent of 3/4?0.750.250.500.33What is 9.25 - 5.50?3.753.254.254.75Which of these is not a factor of 12?5123What is the sum of all angles in a square?360 degrees180 degrees270 degrees90 degreesWhich of these is an even number?8357Your 4th Grade Math Test Results:Evaluating...Try againPage 3What is the area of a square with side length of 5 cm?20 sq cm25 sq cm10 sq cm15 sq cmWhich of the following decimals is the smallest?0.330.3330.30.303If a car travels at 60 mph, how far will it go in 2 hours?120 miles60 miles180 miles240 milesWhat is the prime factorization of 36?2362233334666Which of these is a composite number?2354What is 35% of 80?352528453Which fraction is equivalent to 0.50?1/21/41/32/3If a rectangle has a length of 10 cm and a width of 5 cm, what is its area?15 sq cm50 sq cm30 sq cm20 sq cmWhat is the next number in the pattern: 5, 10, 20, 40?6050807080What is the least common multiple (LCM) of 4 and 6?124624What is the greatest common factor (GCF) of 15 and 25?15310What is the perimeter of a square with side length of 7?14212835What is the square root of 64?6879Which of these fractions is the largest?1/22/33/41/4What is 2/3 - 1/3?1/211/32/3What is the decimal equivalent of 1/4?0.250.750.500.33What is 8.75 + 3.50?11.7512.2512.7511.25What is the sum of all angles in a triangle?180 degrees90 degrees270 degrees360 degreesWhat is the value of 4 in the number 6,457?4400404,000Which of these is an odd number?2946Your 5th Grade Math Test Results:Evaluating...Try againPage 4What is the area of a rectangle with a length of 10 and a width of 6?60 sq cm16 sq cm30 sq cm46 sq cmConvert 0.75 to a fraction in simplest form.3/47/101/22/3What is the value of the 4 in the number 534,210?4000400404Simplify the expression: 8x - 3x + 2.5x + 211x + 25x - 211x - 2Which of the following numbers is a multiple of 8?32333130What is the least common multiple (LCM) of 3 and 4?123424If a triangle has a base of 4 and a height of 8, what is its area?16 sq units12 sq units24 sq units32 sq unitsIf the radius of a circle is 3, what is its circumference? (Use π = 3.14)18.84 units9.42 units28.26 units37.68 unitsHow many faces does a cube have?64812Convert 2/5 to a decimal.0.40.20.50.8What is the greatest common factor (GCF) of 12 and 18?63412A bag contains 3 red, 2 blue and 4 green balls. What is the probability of picking a red ball?3/93/72/94/9If you flip a coin twice, what is the probability of getting heads both times?1/41/23/141/4What is the value of x in the equation 2x + 3 = 9?x = 3x = 4x = 2x = 6If a square has a perimeter of 16, what is the length of one side?84216What is the median of the following set of numbers: 4, 7, 9, 10, 12?9710912What is 0.25 expressed as a fraction in simplest form?1/41/22/31/3Solve for y in the equation: 3y - 1 = 11.y = 4y = 3y = 2y = 5What is the square root of 81?97810A store sells a shirt for $25. If it has a 20% off sale, what is the new price of the shirt?$20$22$18$15Your 6th Grade Math Test Results:Evaluating...Try againPage 5Solve the equation: 4x - 7 = 21.x = 7x = 6What is the slope of a line that passes through the points (2, 6) and (4, 12)?2314A triangle has sides of lengths 5, 12, and 13. What type of triangle is it?Equilateral TriangleIsosceles TriangleRight TriangleScalene TriangleFind the volume of a cylinder with a radius of 3 units and a height of 4 units. (Use π = 3.14)37.68 cubic units75.36 cubic units150.72 cubic units113.04 cubic unitsCalculate the area of a circle with a diameter of 10 units. (Use π = 3.14)31.4 sq units62.8 sq units157 sq units78.5 sq unitsIf a line has a slope of 3 and passes through the point (1,2), what is the y-intercept?123-1What is the value of the expression 23 ?6859Simplify the expression: 3(2x - 4) + 2.6x + 106x - 106x - 66x + 6A store is selling t-shirts for $20 each. If there is a 15% off sale, what is the sale price of the t-shirts?$17$15$18$19What is the value of y in the equation 3x + 4y = 24 when x = 4?y = 3y = 4y = 5y = 6What is the slope of a line that is perpendicular to a line with slope 4?-1/41/44-4Find the mean of the following numbers: 5, 10, 15, 20, 25.15102025Convert 2/3 to a decimal.0.670.50.330.75Solve the equation: 2x + 3 = 9.x = 3x = 4x = 2x = 1What is the Pythagorean Theorem?a2 - b2 = c2a2 + b2 = 2c2a2 + b2 = c2a2 = 1/b2 + 1/c2What is the value of x in the equation 3x - 2 = 7?x = 2x = 3x = 1x = 4Calculate the area of a triangle with a base of 10 and a height of 15.75 sq units150 sq units25 sq units50 sq unitsSimplify the expression: 5x - (3x - 7).8x + 14x - 14x + 148x - 14What is the square root of 196?13151416If you roll a six-sided die, what is the probability of rolling a number greater than 4?1/21/32/31/4Your 8th Grade Math Test Results:Evaluating...Try againPage 6Which of the following represents a linear relationship?y = 3x2 + 2y = 4/x + 5y = 2x + 3y = 5x - 1Identify the independent variable in the equation y = 7x + 4:yxBoth x and yNeitherWhat is the slope of the line represented by the equation 2x - 3y = 6?-32/33/22/3Which of the following is the correct equation of a line that passes through the point (2, 3) with a slope of 4?y = 4x + 2y = 4x - 3y = 4x - 5y = 2x + 3Solve for x in the equation x2 + 5 = 14:x = 2x = 3x = 4x = 5Which inequality represents the solution set for 2x - 7 > 5?x > -1x > 6x < -1x < 6What is the solution to the system of equations y = 2x + 3 and y = x + 1?(1, 2)(-2, -1)(0, 3)(3, 9)Which of the following is true about the system of equations y = 4x - 2 and 2y = 8x + 10?One solutionInfinite solutionsNo solutionBoth are parallelWhich of the following represents a nonlinear function?y = 5x + 7y = x2 + 3x + 1y = -3x + 8y = 2x - 4Identify the function type for y = 1/x + 2:LinearQuadraticRationalExponentialWhich of the following represents an exponential function?y = 3x + 2y = x2 + 4y = 2x + 3y = 1/x + 1Solve for x in the equation 2x = 8:x = 3x = 4x = 2x = 1Simplify the expression (3x2 + 2x - 4) + (2x2 - x + 5):5x2 + x - 95x2 + x + 15x2 - 3x + 9x2 + 3x + 1Factor the polynomial x2 - 9x + 18:(x - 6)(x + 3)(x - 6)(x - 3)(x + 6)(x - 3)(x + 6)(x + 3)What is the vertex of the quadratic function y = x2 - 4x + 5?(2, -1)(4, -3)(2, 5)(2, 1)Determine the axis of symmetry for the quadratic function y = 3x2 + 6x - 9:x = -1x = 1x = -2x = 2Solve for x in the quadratic equation x2 - 5x + 6 = 0:x = 2 or x = 3x = -2 or x = -3x = 1 or x = 6x = 0 or x = 5What is the discriminant of the quadratic equation x2 + 4x + 4 = 0 and what does it indicate?Discriminant = 0, one real solutionDiscriminant = 0, two real solutionsDiscriminant > 0, two real solutionsDiscriminant < 0, no real solutionGiven the data set: 3, 7, 7, 2, 9, 4, 7, find the mode.3794Which measure of central tendency is most affected by extreme values?MeanMedianModeRangeYour 9th Grade Math Test Results:Evaluating...Try againPage 7Which number comes after 19?18222021Which number comes before 20?19182122How many are there in a dozen?10151220Which is the biggest number?10152018If you have 3 apples and I give you 2 more, how many do you have in total?4567Which number is less than 7?68917If there are 10 dogs and 3 leave, how many are left?78910You have 5 candies. If a friend gives you 4 more, how many do you have?789Which number is greater than 5?43650How many fingers do you have on one hand?4567How many toes are on two feet?5810251If you have 4 pencils and you lose 1, how many are left?5781011If there are 8 cupcakes and you eat 2, how many are left?2678What number is after 15?1415171617How many months are there in one year?10121520How many eyes are on a face?1234[sort]Arrange these numbers from lowest to highest:6791621Done!Your 1st Grade Math Test Results:Evaluating...Try againPage 8What is 4 multiplied by 4?16122024How much is 25 + 5?30203540How much is 20 - 10?1015520What is 5 multiplied by 4?20152530How much is 30 + 15?45354050How much is 24 - 12?712111314What is 6 multiplied by 5?30253540How much is 40 + 20?60507080How much is 30 - 15?5102025What is 7 multiplied by 7?49425663How many sides does a triangle have?3456How many pies are there in a week?77568If you have 10 apples and eat 2, how many are left?8796Tom has 5 toys. His friend gives him 3 more. How many toys does he have now?8796If there are 12 hours in the morning and 12 hours in the evening, how many hours are there in a day?224202226If you have 2 cookies and your friend gives you 2 more, how many cookies do you have now?6578Your 2nd Grade Math Test Results:Evaluating...Try againPage 9If Sally has 7 apples and eats 2, how many apples does she have left?76541In the number 123, what digit is in the tens place?32None1John read 3 books each day for 4 days. How many books did he read in total?1312157The bus departs at 2:00 PM and arrives at 4:00 PM. How long is the journey?3 hours1 hour2 hours4 hoursLisa bought a dress for $25 and a hat for $15. How much did she spend in total?$45$40$50$35What's the missing number in the sequence: 5, 10, __, 20?15251416If a bicycle has 2 wheels, how many wheels do 4 bicycles have?1012681If a week has 7 days, how many days are there in 2 weeks?10151412How much is the sum of the numbers from 1 to 5?10152025If Jack scored 10 points in a game and Tom scored 3 times as much, how many points did Tom score?15252030What is the next number in the pattern: 3, 6, 9, __?101512What is a shop sells pencils for 50 cents each. If you buy 4, how much will you pay?$3$$1.5$2.5$2Which number is bigger, 35 or 53?35Cannot be determinedThey're equal53Tom and Jerry collected 20 marbles. If Tom collected 7, how many did Jerry collect?151213101They're equalWhich number is greater than 15?141516171310What's the value of 5 quarters in U.S. currency?$1.25$1.50$0.75$1.00How many minutes are there in one hour?304512060Subtract 5 from 20 and then divide by 3. What is the result?101556What is the perimeter of a square with sides of length 5 units?1525 units25 units10 units20 unitsIf a movie starts at 6:00 PM and ends at 8:00 PM, how long is the movie?2 hours1 hour3 hours2.5 hoursYour 3rd Grade Math Test Results:Evaluating...Try again Solve: 5(3 + 4) - 6 What is the value of 4²? Solve for x: 3x - 5 = 16 Which of the following is a rational number? If a = 4 and b = 6, what is the value of 2a + 3b? What is 35% of 200? Solve: (2/3) × (9/4) The sum of two consecutive even numbers is 34. What are the numbers? Find the circumference of a circle with a radius of 7 cm? (Use π = 3.14) Solve: 6x = 72 If y = 2x + 3, what is y when x = 5? Which of the following is equivalent to (x + 4)(x - 4)? The area of a triangle is 36 cm² and the base is 9 cm. What is the height? If a = -3 and b = 4, what is the value of a² + b²? A store offers a 20% discount on a $150 item. How much will you pay after the discount? 7th grade math quiz %%description%% My friend Anni uses IXL Learning in her classroom. She is a teacher at the Tennessee School for the Deaf in Knoxville. She had showed me the program previously, and I thought it was fantastic. So when the opportunity came up to review the program I jumped at the chance. Folks, HONESTLY, hold onto your hat. This is probably one of the finest programs I have EVER seen when it comes to homeschooling, and I am a HUGE HUGE FAN. This review will be CHOCKED FULL because there is that much to talk about. DO NOT MISS THIS ONE! And we were NOT disappointed. Holy Cow! I barely know where to begin because there is just so much amazing things to cover in this review. I reviewed this program for the nine children that we homeschool here on the farm ranging in grade from pre-K to seventh grade, and every single child found the program easy to use and positive. No one complained about having to do IXL, like, EVER. Here was the breakdown in "grades" that we are on here at our house: Genevieve (Pre-K) Hannah (Pre-K) Eoin "Owen" (K) Abigail (1st) Kari (4th) Sidge (4th) Isaac (4th or 5th) Ana (6th) Gabe (7th) So how does it work keeping track of nine children on a program? Well, it's a super easy. Once we sign in to our main "family" account, a new screen pops up asking who is using the program for the day. This screen allows each child to pick his/her name and go directly into their own "learning center." (In addition, I have my own log-in as a parent as well.) Check out how this looks below: So let's say that I want to log in as Gabe (who is in seventh grade.) There he is – a basketball on the screen. (We were allowed to pick an icon that matched each child.) Once Gabe clicks on his name, he is brought to another screen Gabe then has his own secret word that he has to type in. (I made these super easy so that no one forgot their word.) There are then a variety of sections that the student can go to. These are all grouped under: Check out this photo below: Learning Let's start by looking at the "Learning" section. It may be a little hard to see on the screen shot, but the student has the following choices: Recommendations: This is the section up on the screen above. It has the student select their grade level to explore math and language art topics that IXL recommends for them to begin practicing. They can then pick any skill they'd like to try. Diagnostic: This is a way to see how your student is doing in different areas and figure out where they should start. This section covers only Math and Language Arts. The student answers questions to help narrow down what level they are on so that you can really focus on that when they step into the program. Just for a sample, I am including a screen shot of one of my three fourth graders. I am keeping them anonymous just to protect them. As you can see, they are mostly in about the 4th grade level on most things (which is great news for me!) As they answer more and more questions, it narrows them down more and more: Math Language Arts Science Social Studies Spanish TN Standards: Love this section! Your student (and YOU!) can see what things they should be knowing/learning for their current grade level. Awards: This is a fun section where you can work to uncover hidden pictures based on skills you have practiced. The picture below is an example of what a pre-K student gets when he/she clicks on the "awards" section. You can see that as soon as they accomplish what is requested of them, they get the opportunity to uncover that square. I really appreciate that the program really tries to make things "look" appropriate for that particular age. For example, check out the 8th grade "awards" page. You can tell that it is for a higher level student: AnalyticsOkay now that I've finished talking about the "Learning" section, let's spend a bit of time on the Analytics section of this program. It is broken down into the following sections: Usage: The picture below breaks down how much Ana has been on the program. It also gives a breakdown of her practice by category and her practice by day: Diagnostic: This link actually doubles with the one in the "Learning" section so refer back above for more on this. Trouble Spots: This page features a breakdown of questions that your student has missed. For example, below I checked out Isaac's trouble spots. I can choose which child, what subject, what grade levels, and also a date range. Below, I picked any trouble spots for Isaac in Science and here is what came up: Scores: In the picture below, you can see the scores for one of my students. Things they haven't done at all don't have a score. Things they have done have a score, a date, and how much time they spent on them. Questions: Here you can select a skill to view how your student is doing in that category. Progress and Improvement: This category breaks down the skill, time spent, questions, and score improvement for each student. Honestly folks, this program is simply uh-maz-ing. I cannot recommend it enough. Please take a moment to give IXL Learning a thorough look. You can pay monthly or yearly. The program runs about $20 per month for one child. However, if you buy it for the year it is about $13 a month. For four children, it is about $32 a month for the yearly membership and $23 for a yearly membership.These prices are INCREDIBLY reasonable and worth every single penny. TRUST ME! As always, feel free to message me for more information about this program. àx̄_â¥_âsă˜à¬½˜ âˆ_â¤à¬°˜ ầx̄¶Ì¥â¤âˆ˜à¥Ì¥àˆ˜ầx̄¶Ì¥â¤à¬°˜â·âˆ˜à¬°˜àĂ¬ â·â¤à¬°—àYầx̄¥àx̄¦µâ¥Ì¥àˆ³... Questions: 20 | Attempts: 500 | Last updated: Aug 25, 2023 Que 1 st fill in the blank 1)the number of the form m/n are called ...... This Mathematics quiz for JSS 2 assesses basic numerical and algebraic skills. It covers decimal and fraction conversions, simple equations, and understanding number places. Essential for reinforcing foundational math concepts... Questions: 60 | Attempts: 4590 | Last updated: Mar 5, 2025 Which one do you like? The product of 0.017 and 100 is ___ This Math quiz titled 'Maths - Paper 1 - Set 1' includes questions on percentages, simple arithmetic, fractions, algebra, and number ordering. Questions: 27 | Attempts: 576 | Last updated: Oct 18, 2024 Trivia On High School Math Trivia On High School Math High school can be a little challenging trying to fit in and also pass your complete exams at the same times. Do you have a big math exam coming up and need some help with your revision? Take up the quiz below that is perfectly... Questions: 15 | Attempts: 455 | Last updated: Mar 21, 2023 What value of x makes 8x - 5(x - 2) = x + 26 a true statement? Maths Quiz For Primary Class Students Maths Quiz for primary class students Mathematics is a fundamental part of our academic curriculum from the start of our school time. It is very important to know the basic level of maths as it helps our mental growth in early years, several reports suggest.... Questions: 26 | Attempts: 1959 | Last updated: Mar 22, 2023 Which of the following values is NOT equal to 34(58+9)? Say IT With Symbols Test: Quiz! Say it with Symbols Test: Quiz! Say someone who gets all excited when they see a math problem just waiting to be solved? In the trivia quiz below dubbed say it with symbols, you will be expected to answer the questions to the best of your ability. Feel like... Questions: 16 | Attempts: 263 | Last updated: Mar 22, 2023 3x + 1 + 8x + 9 7th Grade Quiz: Math Benchmark Test 7th Grade Quiz: Math Benchmark Test Math is a very big problem for most students, and some even doubt if they will ever understand it fully. One of the things that one can do to ensure you don't freeze when it comes to the exam is making sure you have enough... Questions: 13 | Attempts: 3447 | Last updated: Dec 2, 2024