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Math teas practice test

Click the "Start Test" button above to begin our free TEAS practice test! These TEAS practice questions will give you a better idea of what to study on your exam. The Mathematics section of the ATI TEAS is designed to evaluate your ability to apply mathematical concepts and skills relevant to healthcare settings. This section is crucial for demonstrating your proficiency in basic math, algebra, geometry, and data interpretation, all of which are essential for accurate calculations and problem-solving in healthcare. Exam Structure of the Math Section The Mathematics subtest has a specified number of questions and a timed duration. Section Number of Questions Time Allotted Question Types Mathematics 3654 minutes Multiple-Choice Detailed Breakdown of Subject Areas in Mathematics Mathematics This subtest focuses on your ability to solve mathematical problems and interpret data. Topics include: Mathematical skills are crucial in nursing, making this section important for assessing your ability to perform accurate calculations and interpret data in healthcare settings. Category Number of Questions Skills Assessed Numbers and Algebra 23 Fractions, decimals, percentages, ratios, proportions, algebraic expressions, equations, etc. Measurement and Data 13 Measurement conversions, geometric shapes, data interpretation (tables, graphs), etc. Preparing for the Mathematics Section To excel in the Mathematics section, focus on mastering basic math, algebra, geometry, and data interpretation. Practice solving problems related to healthcare calculations and data analysis. Here's a suggested study plan focusing on the Mathematics section: Week Focus Area Suggested Activities 1 Numbers and Algebra Review fractions, decimals, percentages, ratios, proportions, and basic algebraic equations. Practice word problems related to these concepts. 2 Measurement and Data Practice measurement conversions (e.g., metric system), review geometric formulas, and practice interpreting data from tables and graphs. 3 Combined Practice Practice problems that combine concepts from both Numbers and Algebra and Measurement and Data. Focus on healthcare-related word problems. 4 Practice Tests Take practice tests, review incorrect answers, refine time management strategies, and focus on areas needing improvement. By focusing on these areas and utilizing practice tests, you can improve your performance on the Mathematics section of the ATI TEAS. All premium pricing options include: 1100+ Exact Teas 7 Questions for 2025 Expert answer explanations for questions Detailed score reports Unlimited test retakes All test modes Track your progress and test history Convenient customer service chat Pass guarantee (email protected) How It Works Testimonials Blog Terms Privacy Policy Please note that ATI TEAS® and Test of Essential Academic Skills™ are registered trademarks of Assessment Technologies Institute, all of which are unaffiliated with, not endorsed by, not sponsored by, and not associated with OnlineTeasPrep. This site is protected by reCAPTCHA and the Google Privacy Policy and Terms of Service apply. © 2025 OnlineTeasPrep. All rights reserved. The ATI TEAS Math test includes challenging questions on numbers, operations, algebra, measurement, and data interpretation. Our free TEAS Math practice test offers 30 realistic questions with clear explanations to help you review and build confidence. Grab your calculator and get started now. You have already completed the quiz before. Hence you can not start it again. You must sign in or sign up to start the quiz. You must first complete the following: Test complete. Results are being recorded. 0 of 30 Questions answered correctly Your time: Time has elapsed You have reached 0 of 0 point(s). (0) Earned Point(s): 0 of 0, (0) 0 Essay(s) Pending (Possible Point(s): 0) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 Current Correct Incorrect Practice with the most accurate questions, the most detailed answer explanations, and the confidence of having a pass guarantee. The TEAS 7, or Test of Essential Academic Skills Version 7, is a standardized entrance exam used by nursing schools and allied health programs. The test is meant to indicate to the school whether you're prepared and have the skills needed to succeed in their programs before you start. How many questions are on the test? The TEAS includes 150 scored questions and 20 unscored questions for a total of 170 total questions. Here's the breakdown by subject: Reading: 45 total questions (39 scored + 6 unscored)- Key ideas and details (15)- Craft and structure (9)- Integration of knowledge & ideas (15) Math: 38 questions (34 scored + 4 unscored)- Numbers and algebra (18)- Measurement and data (16) Science: 50 questions (44 scored + 6 unscored)- Human anatomy & physiology (18)- Biology (9)- Chemistry (8)- Scientific reasoning (9) English and Language Usage: (33 scored + 4 unscored)- Conventions of standard English (12)- Knowledge of language (11)- Using Language and Vocabulary to Express Ideas in Writing (10) Note that you won't know which questions are scored during the TEAS exam. The unscored questions are mixed in with the others, so you should approach every question as if it counts towards your final score. The TEAS Reading test measures your ability to understand passages and interpret informational sources. You'll read texts and answer questions about them, as well as analyze graphics or statements. Start your ATI TEAS 7 prep now with our free TEAS Reading practice test. I think it's time for us to open a new location. We've been talking about doing it forever and I'm afraid that if we don't do it now, we'll never do it. I know it's a risky move, but the only way our business is going to grow is if we take calculated risks. Business has never been better, and our focus group data shows that people in Springdale would love to have one of our stores in their mall. If we do this right, we can be twice as profitable as we are now in three years. Let me know what you think. Thanks, Gabriela PS: We can even announce the expansion after that Channel 4 puff piece airs to take advantage of the attention we'll be getting! Question 4 of 25 Question 5 of 25 Question 6 of 25 Many teachers across the country are noticing the importance of film in the modern classroom. No longer is putting a movie on meant as an invitation for students to check out while the teacher does work at their desk. Films are a versatile medium, and can function as textbooks, pieces of literature, or pieces of art that can bring a new dimension to a student's learning. The teachers leading this charge know that teaching a film effectively means preparing lessons with the same amount of time and effort as any other days. A teacher could simply shut the lights and throw on the first 20 minutes of Steven Spielberg's "Saving Private Ryan" because the class is studying World War II. Or, the teacher could spend a class period analyzing the scene with the class, looking at how Spielberg builds anxiety and tension, how he creates the chaos of the beach, and how he gets the audience to care for characters they haven't even met yet. Question 7 of 25 Question 8 of 25 Question 9 of 25 Question 10 of 25 Mahatma Gandhi was an inspirational leader who made a lot of sacrifices for the people of India. In 1921, Gandhi took charge of the Indian National Congress, a group of thirteen men in the Indian government who fought discrimination and unfair taxation against farmers and urban laborers. Using the nonviolent tactic of civil disobedience, Gandhi and his followers bravely resisted British control over Indian life, choosing not to follow unfair, discriminatory laws and policies. The British were not happy to see Gandhi and his followers rebelling in this way. The British responded to this resistance by strengthening their military presence in India, often at the cost of human lives. While Gandhi was fighting to gain more freedom for the people of India, the British government was, often violently, suppressing it. For his effort, Gandhi was eventually imprisoned in 1942 for his "radical" beliefs, but he refused to recognize violence as a means of fighting the British. He gained international attention for his hunger strikes, refusing to eat until the British changed their unjust policies. Question 12 of 25 Mahatma Gandhi was an inspirational leader who made a lot of sacrifices for the people of India. In 1921, Gandhi took charge of the Indian National Congress, a group of thirteen men in the Indian government who fought discrimination and unfair taxation against farmers and urban laborers. Using the nonviolent tactic of civil disobedience, Gandhi and his followers bravely resisted British control over Indian life, choosing not to follow unfair, discriminatory laws and policies. The British were not happy to see Gandhi and his followers rebelling in this way. The British responded to this resistance by strengthening their military presence in India, often at the cost of human lives. 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In order to make sure the experiment is worth the time, they should then do research to see if anyone has already collected valid data on the subject. Experimenters can then use that data, and their prior knowledge, to propose a hypothesis, or a prediction of what is going to happen. Once the parameters and expectations are clearly stated, experimenters simply have to carry out the experiment, collect the data, and draw conclusions. If experimenters don't follow this method, they risk corrupting their data and drawing inaccurate conclusions. Question 16 of 25 When scientists do experiments, they need to follow what is called the scientific method. The scientific method is a structure for experimentation that ensures valid data. In using the scientific method, experimenters must first state the purpose. What is the problem or the question that they are exploring? 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As you know, this award comes with a new parking spot, a \$5,000 bonus, and a plaque displayed near our office entrance. Please see Su Yun at your earliest convenience for your official photo. Thank you for everything you do. Fahmida Bukhari, Director of Human Resources Systematic Alliance Reserve, Inc. Question 20 of 25 Dear Karla, Congratulations on being named Employee of the Year for 2018. We appreciate all of your hard work and how dedicated you have been to our company. When the committee convened to discuss the potential award recipients, you became a clear frontrunner because of your long hours and the 11% growth in global sales that your team achieved in a slowing economy. As you know, this award comes with a new parking spot, a \$5,000 bonus, and a plaque displayed near our office entrance. Please see Su Yun at your earliest convenience for your official photo. Thank you for everything you do. Fahmida Bukhari, Director of Human Resources Systematic Alliance Reserve, Inc. Question 21 of 25 Question 22 of 25 Question 23 of 25 Question 24 of 25 Use the information below to answer the question that follows. Eric is older than Ross Erin is older than Rosanna Rosanna is younger than Eric Erin, Rosanna, Eric, Ross Eric, Rosanna, Erin, Ross Ross, Erin, Eric, Rosanna Eric, Ross, Erin, Rosanna Question 25 of 25 This free TEAS Science practice test covers the four key areas: scientific reasoning, life science, earth and physical science, and human body science. It's a challenging section that requires solid content knowledge, so plan to study it thoroughly. Start now with these 24 TEAS Science practice questions. You have already completed the quiz before. Hence you can not start it again. You must sign in or sign up to start the quiz. You must first complete the following: Test complete. Results are being recorded. 0 of 24 Questions answered correctly Your time: Time has elapsed You have reached 0 of 0 point(s). (0) Earned Point(s): 0 of 0, (0) 0 Essay(s) Pending (Possible Point(s): 0) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 Current Correct Incorrect Prepare for your test with realistic questions. The Math section of the TEAS requires you to use algebra, numbers, measurements, and data to solve problems successfully. To help you prepare for this section of the TEAS, this page contains everything you need to know, including what topics are covered, how many questions there are, and how you can study effectively. What's on the TEAS Math Section? TEAS Checklist TEAS Online Course If you want to be fully prepared, Mometrix offers an online TEAS prep course designed to give you everything you need to succeed. Here's what you'll find in the TEAS course: 100+ Review Lessons Covering Every Topic Over 2,650 TEAS Practice Questions 200+ Video Tutorials 300+ Digital Flashcards Money-back Guarantee Mobile Access Everyone learns differently, so we've tailored the TEAS online prep course to ensure every learner has what they need to prepare for the TEAS 7 exam. Click below to check it out! TEAS Math Formulas Though you will have access to a calculator during the exam, you won't be given a formula sheet to reference. This means you'll need to make sure you know your formulas by heart. To help you out, we've compiled all of the formulas you need to know into one free PDF, including area and volume formulas, algebraic expressions, metric conversions, and more! DOWNLOAD TEAS MATH FORMULA PDF TEAS Math Example Problems Here are three example questions from the TEAS Math exam, each with a simple explanation showing how the problem is solved. 1. Solve for (x): (2x+4=x-6) To solve an equation with the variable on both sides of the equal sign, you must rearrange the terms. Specifically, use inverse operations of addition or multiplication to gather the variable terms to one side, and the constants to the other. Step 1: Move the (x)-term from the right side of the equation to the left by subtracting (x) from both sides of the equation. Step 2: Move the constant term, 4, from the left side to the right by subtracting 4 from both sides of the equation. Therefore, the solution is (x=-10). 2. How many cubic inches of water could this aquarium hold if it were filled completely? This question is asking for the volume of a rectangular aquarium with given dimensions of length, width and height. The formula to determine the volume is: (V=l\cdot w\cdot h) Substitute these dimensions into the formula: ((V=(20)(12)(15))((V=3,600)) In context, this means that the aquarium shown will hold 3,600 cubic inches of water if it were filled completely. 3. Solve this word problem: A lab technician drew 400 milliliters of blood from a patient. 1/7 of the blood was used for further testing. How many milliliters of blood were used for other tests by multiplying the fraction by the amount of blood drawn: ((400\text{ times }\frac{1}{7})) ((\rightarrow 57.14285714)) milliliters Round this decimal to the nearest hundredth and interpret in context: 57.14 milliliters of blood were used for further testing. FAQs The TEAS is designed for students seeking admission into nursing or allied health programs. Many educational institutions require students to take the TEAS. Students are encouraged to learn more about their school's score requirements. The Math section of the TEAS contains 38 questions. This section includes four "pretest" questions that do not count toward your final score. Students have 57 minutes to complete the Math section, which has 38 questions. Yes. On test day, a test administrator will provide you with a four-function calculator (depending on the location). Calculators with built-in or specialized functions are not allowed. The nursing program of your choice determines the score requirements for TEAS. At the end of the exam, students will receive a "main" or total score that accumulates all four sections (Science, Math, Reading, and English & Language Usage). Students will also receive separate scores for each section. Many nursing programs require students to earn a total score of at least 60% - 70%. Students are encouraged to score higher than the program's minimum score requirement to increase their chances of admission. TEAS® is a registered trademark of the Assessment Technologies Institute®, which is unaffiliated, not a sponsor, or associated with Mometrix Test Preparation. by Mometrix Test Preparation | Last Updated: April 2, 2025 Last Updated on January 17, 2025 TEAS Math Practice Test 2024 (34 Questions Answers): Try our Assessment Technologies Institute (ATI) Test of Essential Academic Skills (TEAS) TEAS Math Practice Test for free. There are a total of 34 sample multiple-choice questions with answer keys. The TEAS Mathematics content area tests your ability to perform arithmetic and algebra. You will apply these skills to solving word problems; interpreting charts and graphs; using descriptive statistics to characterize data sets; understanding relationships between numbers; calculating geometric values; and measurements appropriately, including converting from one unit of measure to another. TEAS Math Practice Test 2024 Test Name ATI TEAS Practice Test Subject Math Total Questions 34 MCQs Test type Sample questions answers Topics Number & Algebra Measurement & Data Time Limit 57 minutes Negative marking no penalty for wrong answers Q1. Based on a favorable performance review at work, Matt receives a 3/20 increase in his hourly wage. If his original hourly wage is represented by w, which of the following represents his new wage? A. 0.15w B. 0.85w C. 1.12w D. 1.15w Q2. A restaurant employs servers, hosts, and managers in a ratio of 9:2:1. If there are 36 total employees, which of the following is the number of hosts at the restaurant? Q3. Which statement about the following set is true? {60, 5, 18, 20, 37, 37, 11, 90, 72} A. The median and the mean are equal. B. The mean is less than the mode. C. The mode is greater than the median. D. The median is less than the mean. Q4. A woman's dinner bill comes to \$48.30. If she adds a 20% tip, which of the following will be her total bill? A. \$9.66 B. \$38.64 C. \$48.30 D. \$57.96 Q5. Which of the following lists is in order from least to greatest? A. (1/7), 0.125, (6/9), 0.60 B. (1/7), 0.125, 0.60, (6/9) C. 0.125, (1/7), 0.60, 6/9 D. 0.125, (1/7), (6/9), 0.60 Q6. What is 2,346 rounded to the nearest 100? A. 2,400 B. 2,000 C. 3,000 D. 2,300 Q7. A 4324-lb truck needs to carry a load across a bridge with a legal limit of 6,400 lbs. Which of the following would be the largest load that the truck could legally carry on the bridge? A. 2,100 lbs B. 2,000 lbs C. 2,050 lbs D. 2,150 lbs Q8. A nurse adds 4 g of salt to 20 ml of water to make a saline solution. How much salt should be added to 75 ml of water to make a solution of the same strength? A. 0.25 g B. 10 g C. 15 g D. 150 g Q9. Bernard can make \$80 per day. If he needs to make \$300 and only works full days, how many days will this take? Q10. Using the following diagram, calculate the total circumference, rounding to the nearest decimal place: A. 25.0 cm B. 15.7 cm C. 78.5 cm D. 31.4 cm Q11. Which measure for the center of a small sample set would be most affected by outliers? A. Mean B. Median C. Mode D. None of the above Q12. A line that travels from the bottom-left of a graph to the upper-right of the graph indicates what kind of relationship between a predictor and a dependent variable? A. Positive B. Negative C. Exponential D. Logarithmic Q13. How many kilometers is 4382 feet? A. 1.336 kilometers B. 1,437 kilometers C. 1,437 kilometers D. 13,336 kilometers Q14. Solve the equation x + 7 = x - 36 Which of the following is correct? A. x = 6 B. x = 42 C. x = 126 D. x = 252 Q15. After taxes, a worker earned \$15,036 in 7 months. Which of the following is the amount the worker earned in 2 months? A. \$2,148 B. \$4,296 C. \$6,444 D. \$8,592 16. If m represents a car's average mileage in miles per gallon, p represents the price of gas in dollars per gallon, and d represents a distance in miles, which of the following algebraic equations represents the cost, c, of gas per mile? A. c = d/p m B. c = p/m C. c = m/p D. c = m/p Q17. Melissa is ordering fencing to enclose a square area of 5625 square feet. Which of the following is the number of feet of fencing she needs? A. 75 feet B. 150 feet C. 300 feet D. 5,625 feet Q18. Tamara reads 40 pages of a novel in 52 minutes. How long will it take her to read a novel of 200 pages? A. 2 hours, 40 minutes B. 3 hours, 40 minutes C. 4 hours, 10 minutes D. 4 hours, 20 minutes Q19. Renay rode her bike 3.2 miles in 12 minutes. At this rate, how long will it take her to ride the entire 42-mile trip from her house to Santa Fe? A. 157.5 min B. 1.57 hr C. 217 min D. 2.57 hr Q20. Adam is painting the outside of a 4-walled shed. The shed is 5 feet wide, 4 feet deep, and 7 feet high. Which of the following is the amount of paint Adam will need for the four walls? A. 80 ft. B. 126 ft. C. 140 ft. D. 560 ft. Q21. A circular swimming pool has a circumference of 49 feet. Which of the following is the diameter of the pool? A. 15.6 feet B. 17.8 feet C. 49 feet D. 153.9 feet Q22. What is the slope of the line AB ? A. 3/2 B. 1/2 C. 3/4 D. 2/3 Q23. Sergio had twelve fewer credits than five times what Joanna had. Which of the following expressions describes the number of Sergio's credits? A. 12x - 5 B. 5x + 12 C. 5(12x) D. 5x - 12 Q24. Ninety-two dollars added to five times Herbert's weekly salary is less than Mrs. Morton's weekly salary of \$1,119. Which of the following describes this situation? A. 5s - 92 > 1119 B. 5s + 92 < 1119 C. (5s)92 < 1119 D. 5s + 92 > 1119 The circle graph shows time allocation in hours for nurses on Floor 3 at the Sound Shore Hospital. Use this graph for the following two problems. Q25. What percentage of the time do nurses spend on prep work and paperwork? A. 12% B. 36% C. 17.5% D. 48.5% Q26. One nursing textbook states that nurses in a good-quality facility will spend at least 60% of their time in patient care, but in the best facilities, nurses devote over 70% of their time to patient care. What can you conclude about Sound Shore Hospital from the graph on the previous page? A. The hospital rates are substandard. B. The hospital is rated good but not the best. C. Sound Shore rates among the best hospitals. D. Sound Shore rates above even the best hospitals. Q27. Simplify the expression, (4.71 × 10³) - (2.98 × 10³) Which of the following is correct? A. 1.73 × 10 B. 4.412 × 10² C. 1.73 × 10³ D. 4.412 × 10⁴ Q28. Which of the following is not a negative value? A. -(3)(-1)(2)(-1) B. 14 - 7 + (-7) C. 7 - 10 + (-8) D. -(5)(-2)(-3) Q29. Simplify the expression. 10² - 7 (3 - 4) - 25 Which of the following is correct? Q30. Simplify the expression. (5² (3) + 3(-2)) (4 + 3² - 2(5 - 8)) A. 9/8 B. 87/19 C. 9 D. 21/2 The table below shows Hector's scores from seven different judges in a gymnastics competition. Use this table to answer the next two questions. Q31. Which was greater, Hector's median score or mode score? By how much? A. The mode was 0.15 greater than the median. B. The mode and median were both the same. 8.6 C. The mode was 0.15 less than the median. D. The mode was 0.5 greater than the median. Q32. Which score change would push the mean value of Hector's scores to 9.0 or above? A. Judge 1 increasing her score to 9.5. B. Judge 2 increasing his score by 2.1. C. Judge 5 decreasing her score by 0.5 to 9.0. D. Judge 2 increasing his score to 9.5. Q33. Which of the following pairs of variables has a negative covariance? A. x = number of snowfalls in one winter, y = number of snow shovels sold B. x = number of hours Reza works in a month, y = amount of Reza's paycheck C. x = time spent running on a treadmill, y = number of calories burned D. x = number of customers renting a room in a motel, y = number of rooms available A basketball court has two areas on either end called the keys or the free throw lanes. A diagram of a free throw lane is shown below. Q34. What is the total perimeter measurement of the free throw lane? A. 80.84 ft B. 68.84 ft C. 56 ft D. 87.68 ft See also: FREE ATI TEAS Practice Test 2025 Official Study Guide [PDF]