

Community College Math Assessment Test Practice

AMERICAN RIVER COLLEGE ASSESSMENT CENTER

Math COMPASS TEST

SAMPLE ITEMS

These items are not actual items from COMPASS® but are similar in content and format. These items are presented for illustrative purposes and do not constitute a full representation of item content.

Numerical Skills/Pre-Algebra Placement

Averages: Means, Medians, and Modes

- 1 What is the average (arithmetic mean) of 8, 7, 7, 5, 3, 2, and 2?
- A. $3\frac{1}{2}$
B. $4\frac{1}{2}$
C. $4\frac{2}{3}$
D. 5
E. $6\frac{1}{2}$

Basic Operations with Decimals

- 2 Ben is making wooden toys for the next arts and crafts sale. Each toy costs Ben \$1.80 to make. If he sells the toys for \$3.00 each, how many will he have to sell to make a profit of exactly \$36.00?
- A. 12
B. 20
C. 30
D. 60
E. 108

Basic Operations with Fractions

- 3 How many yards of material from a $24\frac{1}{2}$ -yard length of cloth remain after 3 pieces, each $3\frac{1}{2}$ yards long, and 5 pieces, each $2\frac{1}{2}$ yards long, are removed?
- A. $2\frac{1}{4}$
B. $4\frac{1}{2}$
C. $4\frac{5}{8}$
D. $10\frac{1}{4}$
E. $10\frac{5}{8}$

Percentages

- 4 Philip charged \$400 worth of goods on his credit card. On his first bill, he was not charged any interest, and he made a payment of \$20. He then charged another \$18 worth of goods. On his second bill a month later, he was charged 2% interest on his entire unpaid balance. How much interest was Philip charged on his second bill?
- A. \$8.76
B. \$7.96
C. \$7.60
D. \$7.24
E. \$6.63

Answers: 1. C; 2. C; 3. A; 4. B

Algebra Placement

Elementary Algebra: Linear Equations in One Variable

- 1 A student has earned scores of 87, 81, and 88 on the first 3 of 4 tests. If the student wants an average (arithmetic mean) of exactly 87, what score must she earn on the fourth test?
- A. 85
B. 86
C. 87
D. 92
E. 93

Elementary Algebra: Basic Operations with Polynomials

- 2 Which of the following expressions represents the product of 3 less than twice x and 2 more than the quantity 3 times x ?
- A. $-6x^2 + 25x + 6$
B. $6x^2 + 5x + 6$
C. $6x^2 - 5x + 6$
D. $6x^2 - 5x - 6$
E. $6x^2 - 13x - 6$

Elementary Algebra: Substituting Values into Algebraic Expressions

- 3 If $x = -1$ and $y = 2$, what is the value of the expression $2x^2 - 3xy$?
- A. 8
B. 4
C. -1
D. -4
E. -8

Intermediate Algebra: Rational Expressions

- 4 For all $r \neq 2$, $\frac{r^2 - 5r + 6}{r^2 - 4} = ?$
- A. $\frac{r-3}{r+2}$
B. $\frac{r-2}{r+2}$
C. $\frac{r-2}{r+3}$
D. $\frac{r+3}{r-2}$
E. $\frac{r+3}{r+2}$

Coordinate Geometry: Linear Equations in Two Variables

- 5 What is the equation of the line that contains the points with (x,y) coordinates $(-3,7)$ and $(5,-1)$?
- A. $y = 3x - 2$
B. $y = x + 10$
C. $y = -\frac{1}{3}x + 8$
D. $y = -\frac{3}{11}x + \frac{11}{4}$
E. $y = -x + 4$

Answers: 1. D; 2. D; 3. B; 4. A; 5. E

Next Page 

Community college math assessment test practice is an essential step for students aiming to pursue higher education. These assessments often determine a student's placement in math courses, which can significantly impact their academic journey. Understanding the structure, content, and preparation strategies for these tests is vital for success. In this article, we will explore the importance of these assessments, the types of math skills evaluated, effective study strategies, and valuable resources for practice.

Understanding the Community College Math

Assessment Test

Community college math assessment tests are designed to evaluate a student's mathematical skills and readiness for college-level coursework. These tests typically cover fundamental concepts that students are expected to grasp before entering more advanced classes.

Purpose of the Assessment Test

The primary purposes of the community college math assessment test include:

1. Placement: Determining the appropriate level of math courses for each student.
2. Skill Evaluation: Assessing students' strengths and weaknesses in various math topics.
3. Advising: Helping academic advisors guide students in selecting courses that align with their skills and career goals.

Types of Math Skills Evaluated

The community college math assessment test usually includes a variety of topics, which may encompass:

- Arithmetic: Basic operations with whole numbers, fractions, decimals, and percentages.
- Algebra: Solving equations, inequalities, and understanding functions.
- Geometry: Knowledge of shapes, volumes, areas, and the properties of geometric figures.
- Statistics: Understanding data interpretation, mean, median, mode, and basic probability.
- Pre-calculus: Concepts related to limits, functions, and trigonometry.

Preparing for the Math Assessment Test

Preparation is crucial for performing well on the community college math assessment test. Here are some effective strategies to help you get ready:

Self-Assessment and Diagnostic Tests

Before diving into study materials, consider taking a diagnostic test to identify your current skill level. This will help you focus your efforts on areas that need improvement. You can find free diagnostic tests online or through community college resources.

Study Materials and Resources

Gathering the right study materials is essential. Here are some recommended resources:

- Textbooks: Look for community college-level math textbooks that cover the topics assessed in the test.

- Online Courses: Websites like Khan Academy, Coursera, or edX offer free math courses that can help reinforce your understanding.
- Practice Tests: Many community colleges provide sample tests or practice questions. Utilize these to familiarize yourself with the test format.

Effective Study Strategies

To maximize your study sessions, consider the following strategies:

1. Set a Study Schedule: Dedicate specific times each week to study math. Consistency is key.
2. Break Down Topics: Focus on one topic at a time. For example, spend one session on algebra and another on geometry.
3. Use Flashcards: Create flashcards for formulas, definitions, and key concepts to reinforce your memory.
4. Practice Problem-Solving: Work through practice problems to enhance your problem-solving skills.
5. Group Study: Join or form a study group with peers to discuss challenging concepts and share resources.

Practicing Math Skills

Practice is one of the most effective ways to prepare for the community college math assessment test. Here are several methods to practice your math skills:

Online Practice Tools

Utilize online platforms that offer practice problems tailored to your skill level. Some popular resources include:

- IXL: A personalized learning platform that covers a wide range of math topics.
- Mathway: An online calculator that can help you solve problems step-by-step.
- Khan Academy: Offers practice exercises and instructional videos on various math topics.

Workbooks and Practice Tests

Invest in workbooks specifically designed for community college math assessment preparation. These often include:

- Practice Questions: A variety of questions that mimic the style and difficulty of the actual test.
- Detailed Solutions: Step-by-step solutions to help you understand the problem-solving process.

Simulate Test Conditions

To build your test-taking skills and confidence, simulate actual test conditions by:

- Setting a timer: Time yourself while completing practice tests to get accustomed to the pace.
- Minimizing distractions: Find a quiet space and eliminate interruptions during your practice sessions.

Test Day Preparation

As the test day approaches, there are several key factors to consider to ensure you are adequately prepared:

Logistics and What to Bring

On the day of the test, make sure to:

- Know the location and time of the assessment.
- Bring necessary materials, such as:
 - A valid photo ID
 - A calculator (if allowed)
 - Pencils and erasers
 - Any permitted reference materials

Mindset and Confidence Building

Maintaining a positive mindset is crucial. To build confidence, consider the following:

1. Visualize Success: Picture yourself successfully completing the test.
2. Practice Relaxation Techniques: Deep breathing or meditation can help calm pre-test nerves.
3. Get Plenty of Rest: Ensure you have a good night's sleep before the test day.

After the Assessment Test

Once you complete the community college math assessment test, it's essential to understand the next steps:

Interpreting Your Results

After receiving your test results, take time to review them carefully. Understanding your scores will help you and your academic advisor decide on the appropriate courses.

Course Registration and Planning

Based on your placement results, you may need to register for different levels of math courses. Be sure to:

- Consult with an advisor: Discuss your options and any additional support you might need.
- Consider remedial courses: If you scored lower than expected, enrolling in remedial classes can strengthen your math foundation.

Conclusion

In conclusion, preparing for the community college math assessment test practice is a crucial step in a student's academic journey. By understanding the test's purpose and structure, utilizing effective study strategies, and practicing diligently, students can enhance their math skills and improve their chances of success. With the right resources and mindset, achieving a favorable placement in math courses is well within reach. Embrace the challenge, and remember that preparation is the key to unlocking your potential.

Frequently Asked Questions

What topics are typically covered in a community college math assessment test?

Typically, the assessment test covers topics such as algebra, geometry, trigonometry, and basic arithmetic, as well as sometimes statistics and pre-calculus concepts.

How can I effectively prepare for the community college math assessment test?

To prepare effectively, practice with sample questions, use online resources, review relevant math concepts, and consider taking a preparatory course if available.

Are there any free resources available for practicing community college math assessment tests?

Yes, many community colleges offer free practice tests on their websites, and there are numerous online platforms like Khan Academy and Quizlet that provide free math practice materials.

What is the format of the community college math assessment test?

The format may vary by institution, but it often includes multiple-choice questions and may be administered online or on paper, usually without a calculator.

How long does the community college math assessment test typically take?

The duration of the test can vary, but it generally takes between 1 to 2 hours to complete, depending on the number of questions and the specific college's requirements.

What should I do if I perform poorly on the math assessment test?

If you perform poorly, consider retaking the test after additional study, seek tutoring resources, or enroll in developmental math courses to strengthen your skills.

Will my scores from the community college math assessment test affect my course placement?

Yes, your scores will typically determine your placement in math courses, affecting whether you start with remedial classes or can enroll directly in college-level mathematics.

Find other PDF article:

<https://soc.up.edu.ph/25-style/files?ID=SWk89-7247&title=goosebumps-night-of-the-living-dummy-2.pdf>

Community College Math Assessment Test Practice

Microsoft Community

Microsoft Support Community is moving to Microsoft Q&A .. Windows, Surface, Bing, Microsoft Edge, Windows Insider, Microsoft Advertising, Microsoft 365 and Office, Microsoft 365 Insider, ...

M365 Copilot-created file placed at unreachable URL: - Microsoft ...

Jun 25, 2025 · Dear Andrew van Renen, Welcome to the community! I also did some research and found that a few other users have experienced the same issue as you: Copilot not ...

Northwind 2.0, Startup Error - Microsoft Community

Apr 3, 2025 · I download the new Northwind database.I get a VBA error in the startup code:Sub or function not definedline 40, OneTimeProcessing is yellow.What's wrong and how to ...

PyCharm VSCode -

202412 PyCharm VSCode Visual Studio Code Visual Studio Code IDE Visual Studio Code (VS ...

How to Export a Microsoft Forms Survey as a Fillable PDF Form

Jun 2, 2025 · Export to Word and Convert: Alternatively, you can export the form to Word, then use Adobe Acrobat or another PDF editor to create a fillable PDF. We hope this helps! If you ...

Feb 20, 2025 · Hi, Travelers Just to pass a very important note. There has been consistent, above average rainfall across Botswana, especially in the Northern Botswana. Already there has ...

One drive sync problem - Microsoft Community

Jun 20, 2025 · OneDrive sync operation is taking too long.I have a lot of files, but it goes down to about 2000, then up to 5000+ and back again.I don't know why this is happening. My internet ...

Best camping sites in Kruger camps - 4x4 Community

Jan 20, 2024 · Booked 10 days in Kruger at the following camps over 1 June to 10 June 2024: Bergen-Dal - 3 nights Skukuza - 3 nights Satara - 1 night Letaba - 2 nights First time that we ...

Nature Communications Biology

Nature 2018 Open Access CB Nature Commun...

GWM P300 2.4TD (2025) Price & Specs

Jan 30, 2025 · Forum All about vehicles Vehicle & Technical Chat - General GWM / Haval GWM P300 2.4TD (2025) Price & Specs

Microsoft Community

Microsoft Support Community is moving to Microsoft Q&A .. Windows, Surface, Bing, Microsoft Edge, Windows Insider, Microsoft Advertising, Microsoft 365 and Office, Microsoft 365 Insider, Outlook and Microsoft Teams forums are available exclusively on Microsoft Q&A.

M365 Copilot-created file placed at unreachable URL: - Microsoft ...

Jun 25, 2025 · Dear Andrew van Renen, Welcome to the community! I also did some research and found that a few other users have experienced the same issue as you: Copilot not generating PPT file - Microsoft Community Copilot is still under development; our dedicated team is continuously working to enhance its capabilities.

Northwind 2.0, Startup Error - Microsoft Community

Apr 3, 2025 · I download the new Northwind database.I get a VBA error in the startup code:Sub or function not definedline 40, OneTimeProcessing is yellow.What's wrong and how to ...

PyCharm VSCode -

2024 12 PyCharm VSCode Visual Studio Code Visual Studio Code AI IDE Visual Studio Code (VS Code) AI IDE Python API ...

How to Export a Microsoft Forms Survey as a Fillable PDF Form

Jun 2, 2025 · Export to Word and Convert: Alternatively, you can export the form to Word, then use Adobe Acrobat or another PDF editor to create a fillable PDF. We hope this helps! If you have any further questions or need additional assistance, please feel free to ask. Best regards, Clover - L - MSFT | Microsoft Community Support Specialist.

ABOVE RAINFALL in 2025 - Page 3

Feb 20, 2025 · Hi, Travelers Just to pass a very important note. There has been consistent, above average rainfall across Botswana, especially in the Northern Botswana. Already there has been a recovery call from CKGR, where a couple tried avoiding water on the road and bogged on the clay. DWNP from Matsware had to rescue. One rule about CKGR, stick to the main road, no ...

One drive sync problem - Microsoft Community

Jun 20, 2025 · OneDrive sync operation is taking too long.I have a lot of files, but it goes down to about 2000, then up to 5000+ and back again.I don't know why this is happening. My internet is fine and is on for

Best camping sites in Kruger camps - 4x4 Community

Jan 20, 2024 · Booked 10 days in Kruger at the following camps over 1 June to 10 June 2024: Bergen-Dal - 3 nights Skukuza - 3 nights Satara - 1 night Letaba - 2 nights First time that we will camp in the Kruger (previous visits we stayed in hotels), thus will appreciate advice regarding best sites in each of the camps above. We will be using our Jurgens Exclusive thus sites should be ...

Nature Communications Biology

Nature 2018 Open Access CB Nature Commun...

GWM P300 2.4TD (2025) Price & Specs

Jan 30, 2025 · Forum All about vehicles Vehicle & Technical Chat - General GWM / Haval GWM P300 2.4TD (2025) Price & Specs

Prepare for success with our comprehensive guide on community college math assessment test practice. Boost your skills and confidence—learn more today!

[Back to Home](#)