

Workkeys Applied Math Practice Test

Name _____ Date _____

WorkKeys Practice Test #2

Applied Math

- Allison purchased 32 apples to share with her class. If there were 8 people in the class, including her, how many apples did each person get?
A. 6
B. 4
C. 3
D. 8
E. 16
- Shoes were on sale for 25% off. Write this percent as a decimal.
A. 1.5
B. 0.25
C. 0.75
D. 1.25
E. 0.5
- It took Everett three and a half hours to drive from his home to the college he was visiting. How many minutes is this?
A. 120
B. 180
C. 200
D. 210
E. 240
- Sylvia has 14 quarters. How many dollars does she have?
A. \$3.50
B. \$5.25
C. \$7.00
D. \$2.75
E. \$4.50
- Chris buys a book for \$7.99 and two DVDs for \$12.99 each, including tax. If he pays with a \$50 bill, how much change should he receive?
A. \$16.03
B. \$29.02
C. \$8.04
D. \$24.02
E. \$11.04
- Lenna bought 6 cents worth of gummy bears, 14 cents worth of peppermints, and a chocolate bar for 69 cents. If tax cost \$0.07, how much change should she receive if she pays with a \$1 bill?
A. 93 cents
B. 11 cents
C. 4 cents
D. 16 cents
E. 22 cents

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|----|----|----|----|----|----|
| 1. | 2. | 3. | 4. | 5. | 6. |
|----|----|----|----|----|----|

WorkKeys Applied Math Practice Test is an essential tool for individuals looking to enhance their mathematical skills in a workplace context. The WorkKeys assessment, developed by ACT, is designed to evaluate the foundational skills required for success in various jobs and industries. Among its components, the Applied Math section specifically measures a person's ability to apply mathematical reasoning to solve real-world problems. This article delves into the significance of the WorkKeys Applied Math practice test, its structure, preparation strategies, and resources available for potential test-takers.

Understanding the WorkKeys Applied Math Assessment

The WorkKeys Applied Math assessment is part of a broader suite of assessments aimed at measuring workplace skills. It focuses on the ability to use mathematical concepts in practical situations, which are often encountered in various job roles.

The Importance of Applied Math Skills

Applied math skills are critical in many professions. Here are a few reasons why these skills are valuable:

1. **Real-World Applications:** Many jobs require employees to perform tasks such as budgeting, scheduling, and statistical analysis, which all rely on applied math.
2. **Problem-Solving:** The ability to analyze quantitative data and solve problems is essential in decision-making processes in the workplace.
3. **Career Advancement:** Proficiency in applied math can enhance employability and open up opportunities for promotions and new job roles.

Format of the Applied Math Test

The WorkKeys Applied Math test consists of various types of questions that assess different levels of mathematical understanding and application. Here are some key features of the test format:

- **Duration:** The test typically lasts for about 55 minutes.
- **Question Types:** It includes multiple-choice questions and may require test-takers to interpret charts, graphs, and tables.
- **Skill Levels:** The test scores range from 3 to 7, with higher scores indicating more advanced mathematical reasoning abilities.

Preparing for the WorkKeys Applied Math Practice Test

Preparation is crucial for success on the WorkKeys Applied Math assessment. Here are some effective strategies to help you prepare:

1. Familiarize Yourself with the Test Structure

Understanding the format and types of questions you will encounter can significantly improve your confidence. Review sample questions and take note of the following:

- Question Format: Recognize how questions are framed and the skills they are testing.
- Time Management: Practice answering questions within the allotted time to enhance your pacing.

2. Utilize Practice Tests

Taking practice tests is one of the most effective ways to prepare. Here's how to make the most of them:

- Simulate Test Conditions: Take practice tests in a quiet environment and time yourself to mimic actual test conditions.
- Review Your Answers: After completing practice tests, go through the questions you got wrong and understand why your answer was incorrect. This will help you identify areas that need improvement.

3. Study Key Mathematical Concepts

The Applied Math test covers a variety of topics. Ensure you're comfortable with the following:

- Basic Arithmetic: Addition, subtraction, multiplication, and division.
- Algebra: Understanding variables, equations, and basic algebraic expressions.
- Geometry: Knowledge of shapes, areas, volumes, and the properties of geometric figures.
- Statistics and Probability: Basic concepts of averages, medians, modes, and understanding probability.

4. Use Online Resources and Study Guides

There are numerous resources available for preparing for the WorkKeys Applied Math test. Here are some options:

- Official ACT WorkKeys Website: The ACT offers a variety of study materials, including sample questions and practice tests.
- Online Prep Courses: Websites like Khan Academy and Coursera offer courses that cover necessary math skills.
- Books: Find study guides specifically designed for the WorkKeys

assessments, which may include practice questions and solutions.

Strategies for Taking the Test

On the day of the test, having a strategy can help maximize your performance. Here are some tips:

1. Read Questions Carefully

Understanding what the question is asking is crucial. Pay attention to keywords and phrases that indicate what mathematical operations you need to perform.

2. Eliminate Wrong Answers

If you're unsure about an answer, use the process of elimination. Narrowing down your choices can increase your chances of selecting the correct answer.

3. Manage Your Time Wisely

Keep an eye on the clock, but don't rush. If you find yourself spending too much time on a single question, move on and return to it if time permits.

Interpreting Your Results

Once you have completed the WorkKeys Applied Math test, understanding your score is essential for determining your next steps.

1. Score Breakdown

The score you receive will reflect your proficiency level in applied math. Here's a general breakdown of the score levels:

- Level 3: Indicates basic skills – suitable for entry-level jobs.
- Level 4: Suggests a foundational understanding – appropriate for many jobs requiring moderate math skills.
- Level 5 and above: Indicates advanced skills – suitable for higher-level positions or more technical job roles.

2. Using Your Score for Career Development

Your score can guide your career path. Here are some actions to consider:

- **Identify Job Opportunities:** Match your score with job descriptions to find roles that align with your skills.
- **Seek Further Education:** If your score indicates a need for improvement, consider enrolling in math courses or workshops to enhance your skills.

Conclusion

The WorkKeys Applied Math Practice Test is a valuable resource for individuals seeking to improve their mathematical skills for the workplace. By understanding the test format, preparing effectively, and utilizing available resources, test-takers can enhance their confidence and proficiency in applied math. Whether you are entering the job market or looking to advance in your career, mastering these skills can lead to greater opportunities and success in your professional life.

Frequently Asked Questions

What is the WorkKeys Applied Math practice test designed to assess?

The WorkKeys Applied Math practice test is designed to assess a person's ability to solve problems using mathematical concepts in a workplace context, focusing on skills such as interpreting data, calculating, and applying mathematical reasoning.

How can I access the WorkKeys Applied Math practice test?

You can access the WorkKeys Applied Math practice test through the ACT website or various educational platforms that offer preparation materials. Additionally, some community colleges and training centers may provide access to practice tests.

What types of math skills are evaluated in the WorkKeys Applied Math test?

The WorkKeys Applied Math test evaluates skills such as basic arithmetic, algebra, geometry, measurement, and data interpretation, with a focus on their application in real-world work situations.

Are there any recommended resources for preparing for the WorkKeys Applied Math test?

Recommended resources for preparing for the WorkKeys Applied Math test include official study guides from ACT, online practice tests, math textbooks, and tutoring services that focus on applied math skills.

How is the WorkKeys Applied Math test scored?

The WorkKeys Applied Math test is scored on a scale from 3 to 7, with higher scores indicating a greater proficiency in applied math skills. Employers often set minimum score requirements based on the needs of specific job roles.

Can I retake the WorkKeys Applied Math test if I am not satisfied with my score?

Yes, you can retake the WorkKeys Applied Math test if you are not satisfied with your score. There is no limit to the number of times you can take the test, but it is advisable to prepare adequately before retaking it to improve your score.

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