

SHL Numerical Reasoning Test Answers 2014 Textbook

shl numerical reasoning test answers 2014 have long been a topic of interest for job applicants and HR professionals alike. In 2014, the SHL numerical reasoning tests gained significant popularity as a tool used by many organizations worldwide to assess candidates' ability to interpret data, analyze figures, and solve numerical problems efficiently. Preparing for these tests requires understanding the typical question formats and practicing with accurate answer keys from that year. This article provides comprehensive insights into the **shl numerical reasoning test answers 2014**, offering guidance on how to approach these questions, review answer patterns, and improve your test-taking strategies.

Understanding the SHL Numerical Reasoning Test in 2014

What is the SHL Numerical Reasoning Test?

The SHL numerical reasoning test is a standardized assessment designed to evaluate an individual's ability to work with numerical data, interpret graphs and tables, and perform basic calculations under timed conditions. It is commonly used by recruitment agencies and organizations to ensure candidates possess the necessary quantitative skills for the role.

Key Features of the 2014 Version

While the core structure of the SHL numerical reasoning test has remained consistent over the years, the 2014 version featured:

- Approximately 12-20 multiple-choice questions.
- Questions based on real-world scenarios involving percentages, ratios, averages, and data interpretation.
- Time limit of around 20-30 minutes, requiring quick analytical skills.
- Use of charts, tables, and graphs to present data.

Why Are Answers from 2014 Still Relevant?

Even though the test format has evolved, many practitioners and candidates find value in reviewing the 2014 answers because:

- They help identify common question types and patterns.
- They serve as practice material for understanding how questions are structured.
- They facilitate the development of problem-solving strategies that remain applicable today.

Common Question Types in the 2014 SHL Numerical Reasoning Test

Data Interpretation

Candidates often encounter questions that require analyzing data presented in tables or graphs to derive specific information. Example question types include:

- Calculating percentages based on data in tables.
- Determining differences between data points.
- Interpreting trends shown in line or bar graphs.

Percentages and Ratios

Questions may involve understanding proportions and converting data into percentages to compare figures accurately.

Averages and Medians

Candidates need skills in calculating means, medians, and modes to answer related questions efficiently.

Profit, Loss, and Price Calculations

Some questions focus on basic financial calculations involving profit margins, discounts, and markups.

Sample Questions and Answers from the 2014 SHL Numerical Reasoning Test

Sample Question 1: Data Interpretation

YearSales (in thousands)201215020131802014210

What was the percentage increase in sales from 2012 to 2014?

Answer:

- Calculate the difference: $210 - 150 = 60$
- Divide by the initial value: $60 / 150 = 0.4$
- Convert to percentage: $0.4 \times 100 = 40\%$

Correct answer: 40%

Sample Question 2: Percentage Calculation

> A store offers a 15% discount on a jacket priced at \$80. What is the sale price?

Answer:

- Calculate the discount: $15\% \text{ of } 80 = 0.15 \times 80 = \12
- Subtract from original price: $80 - 12 = \$68$

Correct answer: \$68

Sample Question 3: Ratio and Proportion

> The ratio of students to teachers in a school is 25:1. If there are 600 students, how many teachers are there?

Answer:

- Set up proportion: $25 \text{ students} / 1 \text{ teacher} = 600 \text{ students} / x \text{ teachers}$
- Cross-multiply: $25x = 600$
- Divide both sides by 25: $x = 600 / 25 = 24$

Correct answer: 24 teachers

Strategies to Use When Reviewing 2014 Answers

Identify Patterns and Question Types

- Focus on common question formats such as data interpretation, percentage calculations, and ratios.
- Recognize recurring themes to anticipate questions in similar tests.

Practice Time Management

- Allocate specific time blocks for each question.
- Use the answer keys to gauge whether your timing aligns with the standard.

Review Incorrect Answers Carefully

- Understand why certain answers are wrong.
- Learn from mistakes to avoid similar errors in future tests.

How to Prepare for Future SHL Numerical Reasoning Tests

Utilize Past Papers and Answer Keys

- While 2014 answers are a solid resource, supplement with more recent practice tests.
- Focus on understanding the logic behind each answer rather than rote memorization.

Develop Core Mathematical Skills

- Practice mental math for quick calculations.
- Review percentage, ratio, and proportion problems regularly.
- Improve data interpretation skills by analyzing graphs and tables.

Employ Online Practice Platforms

- Use reputable online resources offering timed practice tests similar to SHL formats.
- Track your progress and identify areas needing improvement.

Conclusion: The Value of Analyzing 2014 SHL Numerical Reasoning Test Answers

Understanding the **shl numerical reasoning test answers 2014** provides a foundation for effective preparation and test success. By analyzing past questions, familiarizing yourself with common formats, and practicing regularly, you can enhance your numerical reasoning skills. Whether you're aiming to excel in an upcoming assessment or seeking to build confidence in your data analysis abilities, reviewing these answers offers valuable insights into the test's expectations and question

patterns. Remember, consistent practice combined with strategic review of past answers can significantly improve your performance, helping you stand out in competitive job assessments.

SHL Numerical Reasoning Test Answers 2014: An In-Depth Review and Analysis

The SHL Numerical Reasoning Test Answers 2014 have long been a topic of interest among job candidates, recruiters, and test preparation experts alike. As one of the most widely used assessment tools in the recruitment industry, SHL's numerical reasoning tests are designed to evaluate an applicant's ability to interpret and analyze numerical data, often under time constraints. The 2014 edition of these test answers provides a snapshot into the types of questions posed, the answer patterns, and the strategies that can be employed for success. This comprehensive review aims to explore the structure, content, pros and cons, and best practices related to the 2014 answers, helping candidates understand how to approach these assessments effectively.

Understanding the SHL Numerical Reasoning Test (2014 Edition)

Overview of the Test Format

The SHL Numerical Reasoning Test in 2014 was designed to assess an applicant's ability to work with numerical information presented in various formats such as graphs, tables, and word problems. The test typically contained 12 to 28 questions, with a time limit ranging from 12 to 35 minutes, depending on the specific test version and level.

Key features include:

- Multiple-choice questions
- Data interpretation from charts, tables, and graphs
- Basic arithmetic calculations
- Data analysis and comparison
- Word problems requiring logical reasoning

Understanding the structure of the 2014 test is fundamental for effective preparation and for analyzing the provided answers.

Significance of the 2014 Answers

The answers provided for 2014 serve multiple purposes:

- Candidate preparation: They serve as a benchmark for practice and self-assessment.

- Recruiter evaluation: They ensure consistency and fairness in scoring.
- Analytical insights: They help identify common question types and difficulty levels.

With the answers from 2014, candidates can better understand the question patterns, typical data presentation styles, and the logical approaches needed to arrive at correct solutions.

Key Features of the 2014 SHL Numerical Reasoning Answers

Question Types Covered

The 2014 answers correspond to a variety of question types, including:

- Percentage calculations
- Ratios and proportions
- Data comparisons
- Growth and decline in data sets
- Interpreting pie charts, bar graphs, and line graphs
- Analyzing tables of numerical data

Understanding these question types aids in recognizing patterns and developing targeted strategies.

Answer Patterns and Common Challenges

The 2014 answer sets reveal some recurring patterns:

- Many questions require quick mental calculations or approximate estimates.
- Data interpretation often involves multi-step reasoning.
- Some questions test understanding of relative differences rather than absolute numbers.

Common challenges faced by candidates based on the 2014 answers include:

- Time management during the test
- Avoiding calculation errors
- Interpreting complex data presentations

Analyzing the 2014 Answers: Strategies and Insights

Effective Approaches to Numerical Reasoning

Based on the 2014 answer patterns, several strategies can be recommended:

- Practice mental math and approximation: Many questions can be solved faster through estimations.
- Familiarize with data formats: Practice interpreting various charts and tables to reduce confusion.
- Identify key information: Quickly locate relevant data points rather than reading entire questions or data sets.
- Use elimination: Narrow down answer choices by eliminating obviously incorrect options.
- Manage time wisely: Allocate time to each question based on difficulty, leaving room for review.

Common Mistakes Highlighted by the 2014 Answers

Analysis of the 2014 answers highlights typical pitfalls:

- Misreading data labels leading to incorrect conclusions
- Calculation errors due to rushing
- Overcomplicating simple problems
- Failing to check units or percentages carefully

Recognizing these errors can help candidates avoid similar mistakes in future tests.

Pros and Cons of the SHL Numerical Reasoning Test (2014)

Pros

- Standardized assessment providing objective candidate evaluation
- Good measure of numerical aptitude relevant across many roles
- Variety of question formats enhances comprehensive assessment
- Provides immediate feedback for practice and improvement
- Answers from 2014 serve as valuable practice material

Cons

- Can be stressful under timed conditions, affecting performance
- May favor candidates with strong mental math skills over others
- Limited in assessing other skills like verbal or situational judgment

- Some questions may seem outdated or less relevant with changing data presentation styles

Features of the 2014 Answers and How They Can Help Candidates

- Benchmarking: The 2014 answers provide a benchmark for practice, allowing candidates to simulate real test conditions.
- Pattern recognition: Reviewing the answers helps identify common question types and tricks.
- Time management: Analyzing answer timings can improve pacing.
- Error correction: Candidates can learn from mistakes made in past answer sets.

Conclusion: Making the Most of the 2014 SHL Numerical Reasoning Answers

The SHL Numerical Reasoning Test Answers 2014 serve as a valuable resource for candidates aiming to excel in numerical assessments. While these answers reflect the question types and difficulty levels of that period, the core skills—such as data interpretation, quick calculation, and logical reasoning—remain relevant. By studying these answer sets, candidates can develop effective strategies, improve their accuracy and speed, and build confidence for future assessments.

However, it is essential to supplement this historical data with current practice tests, as question formats and data presentation styles evolve over time. Understanding the strengths and limitations of the 2014 answers allows candidates to approach the test with a strategic mindset, ensuring they maximize their potential and increase their chances of success in their recruitment journey.

In summary, mastering the principles exemplified by the 2014 answers—accuracy, efficiency, and analytical thinking—can significantly enhance performance in SHL numerical reasoning tests today and in the future.

Question What are the common strategies to improve performance on the SHL Numerical Reasoning Test from 2014? To improve performance, focus on practicing quick mental calculations, understanding data interpretation, managing time efficiently, and familiarizing yourself with typical question formats from the 2014 test. Using practice tests and reviewing basic math concepts can significantly boost accuracy and confidence. **Answer** Are the answers to the 2014 SHL Numerical Reasoning Test publicly available? Official answer keys for the 2014 SHL Numerical Reasoning Test are not publicly released to maintain test integrity. However, various online forums and test prep resources may provide sample questions and solutions based on previous tests, which can help in preparation. How reliable are practice answers from 2014 SHL Numerical Reasoning Tests for current exam preparation? While practice answers from 2014 can help familiarize you with question formats and difficulty levels, SHL tests may have evolved since then. It's best to use them as supplementary resources alongside current practice materials to ensure you're prepared for the

latest test versions. What types of numerical questions were most common in the 2014 SHL Numerical Reasoning Test? In 2014, the test predominantly featured questions involving basic arithmetic, percentages, ratios, interpreting data from graphs and tables, and problem-solving with numerical data. Familiarity with these types of questions can help improve accuracy and speed. Can I find official practice materials for the 2014 SHL Numerical Reasoning Test to get accurate answers? Official practice materials for the 2014 test are limited, as SHL updates its question banks regularly. However, SHL offers current practice tests and sample questions on their website, which reflect recent formats. Using these can help you prepare effectively for similar questions encountered in the past and present tests.

Related keywords: shl numerical reasoning, shl test answers, numerical reasoning practice, shl test solutions, shl assessment tips, shl test prep, numerical reasoning questions, shl test score tips, shl 2014 test guide, shl practice answers

microsoft test manager tutorial

Microsoft Test Manager Tutorial: A Comprehensive Guide to Efficient Test Management

In the world of software development, ensuring the quality and reliability of your applications is paramount. Microsoft Test Manager (MTM) is a powerful tool designed to streamline the testing process, enabling teams to plan, execute, and track testing efforts with ease. Whether you're a beginner or looking to enhance your testing workflows, this **Microsoft Test Manager tutorial** will provide you with a step-by-step guide to harnessing MTM's full potential for your projects.

Understanding Microsoft Test Manager

Before diving into the tutorial, it's essential to grasp what Microsoft Test Manager is and how it integrates into the broader Visual Studio ecosystem.

What is Microsoft Test Manager?

Microsoft Test Manager is a test management tool integrated with Visual Studio Team Services (VSTS) and Azure DevOps. It provides an intuitive interface for managing test plans, creating and executing test cases, and tracking testing progress. MTM supports both manual and exploratory testing, making it versatile for various testing scenarios.

Key Features of Microsoft Test Manager

- Test Planning: Create and organize test plans, test suites, and test cases.
- Test Execution: Execute manual tests and record results efficiently.
- Test Tracking: Monitor testing progress and generate detailed reports.
- Exploratory Testing: Conduct ad-hoc testing sessions with session-based testing capabilities.
- Integration: Seamlessly connects with Azure DevOps for continuous testing workflows.

Setting Up Microsoft Test Manager

Getting started with MTM involves installing and configuring the tool for your environment.

Prerequisites

- Visual Studio Enterprise or Professional edition (with test management features).
- Azure DevOps account or TFS (Team Foundation Server) setup.
- Appropriate permissions to access test management features.

Installing Microsoft Test Manager

- Download the Visual Studio Installer from the official Microsoft website.
- Choose the edition that includes testing tools (e.g., Visual Studio Enterprise).
- During installation, select the "Testing Tools" workload to install MTM.
- Complete the installation and launch Visual Studio.
- Connect to your Azure DevOps project or TFS server within Visual Studio.

Creating and Managing Test Plans

A well-structured test plan is the foundation of successful testing. MTM simplifies organizing your testing efforts through test plans and suites.

Creating a Test Plan

- Open Microsoft Test Manager from Visual Studio or the Azure DevOps portal.
- Navigate to the "Test Plans" section.
- Click "New Test Plan" and provide a descriptive name, description, and start/end dates.
- Associate the test plan with a specific build or release if needed.
- Save the test plan to begin adding test cases.

Organizing Test Suites

Test suites help categorize test cases based on features, modules, or testing strategies.

- **Static Test Suites:** Manually organize test cases into logical groups.
- **Requirement-Based Test Suites:** Link test cases to specific requirements or user stories.
- **Query-Based Test Suites:** Dynamically generate test cases based on queries.

Adding Test Cases

- Within your test suite, click "New Test Case" or import existing cases.
- Define the test case steps, expected results, and associated requirements.
- Assign priority, owner, and other metadata to facilitate management.
- Save the test case to include it in your suite.

Executing Tests with Microsoft Test Manager

Once your test cases are organized, the next step is executing tests and recording results.

Manual Test Execution

- Open the test plan and select the test suite to execute.
- Click "Run" on the test case you wish to execute.
- Follow the test steps as documented, marking each step as "Passed" or "Failed."
- If a test fails, record detailed bug information directly from the test runner.
- Complete the test run, and the results will be saved automatically.

Using Action Recording and Data Collection

MTM allows capturing detailed logs and screenshots during test execution, aiding in defect analysis and reproducibility.

Exploratory Testing

For ad-hoc testing, MTM offers session-based testing:

- Schedule a testing session with session details.
- Conduct testing while documenting observations and findings.
- Record bugs and issues discovered during the session.

Tracking and Reporting Testing Progress

Effective test management requires insight into testing status and quality metrics.

Monitoring Test Results

- Navigate to the "Test Results" section in MTM or Azure DevOps.
- Review individual test case outcomes and overall progress.
- Filter results by tester, status, or test plan for detailed analysis.

Generating Reports

MTM provides various built-in reports to visualize testing status:

- Test Results Summary
- Test Case Progress and Trends
- Bugs and Defects Reports

Integrating with Bug Tracking

During testing, bugs can be logged directly from MTM, linked to specific failed test cases, ensuring traceability and quick resolution.

Advanced Tips and Best Practices

Maximize your testing efficiency with these expert tips:

Automate Repetitive Tests

Integrate MTM with automated testing frameworks like MSTest, NUnit, or Selenium to run automated tests alongside manual efforts.

Maintain Test Cases Regularly

Keep your test cases updated with application changes to ensure relevance and accuracy.

Use Tags and Filters

Leverage tags and filters to quickly locate and execute specific test cases based on criteria like

priority, feature, or owner.

Collaborate Effectively

Encourage team collaboration by sharing test plans and results, and conducting regular review meetings to discuss testing progress.

Conclusion

Microsoft Test Manager is an essential tool for teams aiming to implement structured and efficient testing workflows. From creating comprehensive test plans and organizing test suites to executing tests and tracking outcomes, MTM provides a centralized platform that enhances test visibility and quality assurance. By following this **Microsoft Test Manager tutorial**, you can streamline your testing process, improve defect detection, and deliver higher-quality software products. Remember to stay updated with the latest features and best practices to maximize your testing success with MTM.

Microsoft Test Manager tutorial: A Comprehensive Guide to Streamlining Your Testing Process

Microsoft Test Manager (MTM) is a powerful tool integrated within the Azure DevOps suite, designed to facilitate efficient test planning, management, and execution. Whether you are a QA professional, a developer, or a project manager, mastering MTM can significantly enhance your testing workflows, improve defect detection rates, and ensure higher quality software releases. This tutorial aims to provide an in-depth overview of Microsoft Test Manager, guiding you through its features, setup, best practices, and real-world applications.

Introduction to Microsoft Test Manager

Microsoft Test Manager is a dedicated testing management environment that helps teams plan, execute, and track testing activities seamlessly. Originally part of Visual Studio Test Professional, MTM is now integrated within Azure DevOps, offering a unified platform for Agile testing, exploratory testing, and manual test case management.

Key Features of Microsoft Test Manager

- Test Planning: Create and organize test plans, test suites, and test cases.
- Test Execution: Run manual tests, record results, and capture screenshots.
- Test Management: Track defects, manage test configurations, and generate reports.
- Integration: Seamlessly connect with Azure DevOps for continuous integration and automated testing workflows.

- Exploratory Testing: Record exploratory sessions with detailed notes and recordings.

Setting Up Microsoft Test Manager

Before diving into testing, proper setup of MTM is essential.

Prerequisites

- A valid Azure DevOps account with appropriate permissions.
- Installed Visual Studio Test Professional or access via Azure DevOps.
- Access to a test environment or lab machines.

Installation and Configuration

- Download and Install: Download Microsoft Test Manager from the Visual Studio downloads page or via Azure DevOps.
- Connect to Azure DevOps: Launch MTM and connect it to your Azure DevOps project by signing in with your credentials.
- Configure Test Environments: Set up test machines, configurations, and network environments to align with your testing needs.

Tips for Effective Setup

- Organize your test plans hierarchically for easier management.
- Maintain a clear mapping between test environments and real-world configurations.
- Regularly update test artifacts to ensure they reflect current application versions.

Creating and Managing Test Plans

Test planning is the foundation of effective testing.

Creating a Test Plan

- In MTM, navigate to the "Test Plans" section.
- Click "New Test Plan" and provide a descriptive name, start/end dates, and any relevant details.
- Assign ownership and stakeholders.

Organizing Test Suites

- Static Test Suites: Manually added test cases grouped logically.
- Requirement-based Suites: Linked to user stories or requirements for traceability.
- Query-based Suites: Dynamic grouping based on queries.

Best Practices

- Break down large test plans into smaller, manageable suites.
- Link test cases to user stories or bugs for better traceability.
- Regularly review and update test plans to reflect current project scope.

Designing and Managing Test Cases

Creating effective test cases is critical to uncovering defects early.

Writing Test Cases

- Clear, concise steps with expected results.
- Use descriptive titles and tags for easy filtering.
- Include preconditions and postconditions.

Reusing Test Cases

- Modularize test steps for reuse across different test cases.
- Attach relevant documentation, screenshots, or scripts.

Organizing Test Cases

- Group related test cases into shared test suites.
- Use labels and tags for categorization.

Tips for Effective Test Cases

- Prioritize test cases based on risk and impact.

- Keep test cases up-to-date with application changes.
- Incorporate exploratory testing notes within test cases or as separate sessions.

Test Execution and Result Recording

Executing tests efficiently and accurately recording results is vital.

Running Manual Tests

- Select a test case from your test suite.
- Follow each step, observing the actual behavior.
- Record outcomes: Passed, Failed, Blocked, or Not Applicable.
- Capture screenshots or record videos if needed.

Recording Defects

- Link defects directly to failed test cases.
- Provide detailed descriptions, steps to reproduce, and severity.
- Attach logs or screenshots to aid debugging.

Managing Test Runs

- Use test configurations to run multiple test cases under different environments.
- Schedule and assign test runs to team members.
- Monitor real-time progress and results.

Pros and Cons of Test Execution Features

Pros:

- Streamlined process for manual testing.
- Rich media capture for detailed documentation.
- Easy defect linkage and traceability.

Cons:

- Manual process can be time-consuming for large test suites.
- Limited automation capabilities within MTM itself.

Integrating Automated Testing with Microsoft Test Manager

While MTM excels at manual testing, integration with automated testing frameworks enhances overall efficiency.

Integration with Visual Studio Test Automation

- Use Visual Studio Test tools to develop automated test scripts.
- Link automated tests to test cases in MTM.
- Run automated tests as part of continuous integration pipelines.

Benefits of Integration

- Reduces manual effort.
- Ensures consistency between manual and automated testing.
- Facilitates comprehensive test coverage.

Limitations

- Setup can be complex for beginners.
- Requires scripting knowledge for automation.

Reporting and Tracking

Effective reporting provides insights into testing progress and quality metrics.

Built-in Reports

- Test Run Summary
- Test Results Trend
- Defect Status and Age
- Requirements Traceability Matrix

Custom Reports

- Use Azure DevOps Analytics or Power BI for tailored dashboards.
- Export data for external analysis.

Best Practices

- Regularly review reports to identify bottlenecks.
- Use metrics to prioritize testing efforts.
- Maintain up-to-date dashboards for stakeholder visibility.

Best Practices for Using Microsoft Test Manager

- Plan Early: Incorporate testing early in the development lifecycle.
- Maintain Test Artifacts: Keep test cases and plans updated with application changes.
- Leverage Linkages: Connect requirements, test cases, defects, and build versions.
- Automate Where Possible: Use automation to handle repetitive and regression testing.
- Collaborate: Engage team members through shared test plans and results.
- Review Regularly: Conduct test reviews and retrospectives for continuous improvement.

Common Challenges and How to Overcome Them

Challenge: Managing Large Test Suites

Solution: Break down into smaller, manageable suites; use query-based suites for dynamic grouping.

Challenge: Keeping Test Cases Up-to-date

Solution: Establish a review cycle aligned with development sprints; assign ownership.

Challenge: Integration Complexity

Solution: Invest in automation and continuous integration pipelines; use documentation and training.

Challenge: Limited Automation within MTM

Solution: Use external automation tools integrated with Azure DevOps, such as Selenium or Coded UI.

Conclusion

Microsoft Test Manager is a robust tool that, when used effectively, can significantly boost your testing efficiency, coverage, and traceability. Its comprehensive features for test planning, execution, defect management, and reporting make it indispensable for teams adopting Agile and DevOps practices. While there are challenges, especially around automation and managing large test repositories, with proper setup, training, and best practices, MTM can become a cornerstone of your software quality assurance process.

By following this tutorial, you should now have a clear understanding of how to leverage Microsoft Test Manager to streamline your testing operations, improve collaboration, and ultimately deliver higher quality software to your users. Remember, continuous learning and adaptation are key to maximizing the benefits of MTM in your projects.

Question What are the main features of Microsoft Test Manager (MTM)? Microsoft Test Manager (MTM) provides features such as test planning, manual test execution, test case management, bug tracking integration, and collaboration tools to streamline the testing process within Visual Studio and Azure DevOps. **Answer** How do I create and organize test plans in Microsoft Test Manager? In MTM, you can create test plans by navigating to the 'Test Plans' hub, clicking 'New Test Plan,' and defining its name and details. You can then add test suites and test cases to organize tests based on requirements, features, or test types for better management. Can I automate tests using Microsoft Test Manager, and how is it integrated with other tools? While MTM primarily supports manual testing, it integrates seamlessly with Visual Studio and Azure DevOps, enabling automation through test scripts and frameworks like MSTest, Selenium, or CodedUI. Automated tests can be linked to test cases for comprehensive test management. What are the best practices for using Microsoft Test Manager effectively? Best practices include maintaining detailed and reusable test cases, organizing tests into logical suites, utilizing shared steps for common actions, integrating with bug tracking, and regularly updating test plans based on project changes to ensure thorough testing coverage. Is Microsoft Test Manager suitable for Agile development environments? Yes, MTM is well-suited for Agile teams as it supports iterative testing, easy integration with Azure DevOps Agile tools, and flexible test planning, allowing teams to adapt testing activities to sprint cycles and continuous delivery workflows.

Related keywords: Microsoft Test Manager, TFS testing, test planning, test case management, automated testing, test execution, bug tracking, test lab management, test reporting, test automation tools

Read the full article online: [Microsoft test manager tutorial](#)