



Mechanical aptitude test for assessing potential employees

Purpose: The NTMA-U mechanical aptitude test assesses understanding of basic mechanical principles, and the application of these principals to everyday shop situations. The Mechanical Reasoning Test should be used where employees work around our trades manufacturing equipment and are expected to understand basic concepts as they may arise. This test is recommended for a wide range of positions from entry-level precision machinist, to higher level employees in industrial settings.

Mechanical aptitude tests, or **mechanical** reasoning tests, are commonly administered for technical positions. The **mechanical aptitude test** measures the potential employee's ability to understand and apply **mechanical** concepts and principles to solve problems.

About the Test: This test contains four topics within one test:

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- Applied Math- This is a 25 question test, with a time period permitted of 25 minutes to complete it.
 - Mechanical Reasoning- This is a 25 question test- with a time period permitted of 25 minutes to complete this test.
 - Mechanical and Spatial Relations- this test is 20 questions long, with a time period permitted of 20 minutes to complete it.
 - Theoretical Reasoning - This is a 20 question Test, with a time period permitted of 20 minutes to complete the test.

The NTMA member cost of this test is \$35.00 each.

The results are immediate and non-biased since the test is graded by the computer.

This test was created by Ken McCreight who has 40 plus years in the trade, as a Journeyman Tool & Diemaker, / A Precision Machine Shop Owner / A Professor of Mechanical Technology / and a Dean of STEM