

rust

# advanced numerical reasoning appraisal



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# section 1: introduction

## about the test

The ability to think clearly is generally regarded as one of the major goals of education. Careful, analytical reasoning is an important part of most management roles and is known to play an important part in many occupations. The WGCTA has been designed to measure some of these important abilities and provides an invaluable assessment strategy for personnel professional and recruitment specialists involved in the selection and training of managerial and other professional staff.

## interpreting the results

The results show your overall raw scores (i.e. the number of questions you scored correctly on each scale) and two independent T-scores for critical thinking and numerical reasoning. The T-score is your raw score translated and compared to the UK norms for this test (mean of 50, standard deviation of 10). The Combined W-GCTA RANRA has been co-normed on a sample of 1546 respondents representative of the usage group in the working population. The T-scores should be used as the common metric in assessing all scores on the Combined W-GCTA RANRA and, on W-GCTA and RANRA when completed independently of each other.

## timings

WGCTA and RANRA are tests of power rather than speed. Most people complete the Watson-Glaser within 50 minutes (approximately 10 minutes per sub-test), and complete RANRA within 30 minutes (approximately 15 minutes per sub-test). The box below shows how long you actually took.

**This test was completed in 3 mins.**

# section 3: the rust advanced numerical reasoning appraisal

## introduction

The Rust Advanced Numerical Reasoning Appraisal (RANRA) produces a single score based upon the assessment of two numerical reasoning skills:

### Comparison of Quantities and Sufficiency of Information.

These two numerical subtests place emphasis on analytical rather than straightforward computational skills, and the questions are mostly easily solved through application of higher level numerical reasoning skills, rather than rote calculation. Both place an emphasis on a cognitive ability developed from combined mathematical knowledge, skill and practical application.

## scores



## norm group comparisons

The following table shows your Percentile Ranking against various groups. Percentile ranking is the percentage of the group that scored lower than you.

RANRA Group	Percentile
• Overall, UK	2
• Trainers and teachers	1
• Sales staff	2
• Clerical workers	2
• Investigators	2
• Security staff	5
• Police Officers	4
• Prison Officers	4
• Accounts staff	1
• Laboratory technical staff	1
• Research and development staff	2
• Computer technical staff	1
• Management consultants	1
• Managers	2