

# TriMaths

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PURPOSE	To assess students' mathematics skills, vocabulary, and attitude
ADMINISTER TO	Individuals in Grades 4-7
ADMINISTRATION TIME	15-25 minutes per test
SCORING OPTIONS	Hand-scorable
PUBLICATION DATE	2010
TRAINING	None
LANGUAGES	English, Afrikaans, Zulu
SA NORMS	Yes

The TriMaths assessment suite consists of three evaluations: Mathematics Vocabulary (Primary) MV(P), Study Orientation Questionnaire in Maths (Primary) SOM(P), and Basic Mathematics (Primary) BM(P). It assesses a primary school learner's study orientation, knowledge of mathematical vocabulary, and overall math comprehension. The results help educators identify areas for improvement and plan interventions to strengthen a student's foundational math skills and language proficiency during their early years of schooling.

## Assessment Content

- **Study Orientation Questionnaire in Maths (Primary) SOM(P)** - Evaluates students' attitudes towards:
  - **Mathematical World View:** Their beliefs about themselves, the nature of mathematics, and how it's learned.

- **Mathematics Anxiety:** Whether they experience panic, emotional distress, or self-doubt when working with math.
- **Study Habits:** Their time management, focus, and consistency in studying.
- **Basic Mathematics (Primary) BM(P)** - Assesses foundational cognitive skills in areas like:
  - Numbers (including multiplication, subtraction, division, addition, decimals, estimation, and percentages)
  - Number Patterns
  - Measurement (temperature, length, perimeter)
  - Shape and Space
  - Basic Data Handling (interpreting simple graphs)
- **Mathematics Vocabulary (Primary) MV(P)** - Assesses students' proficiency in mathematical language related to:
  - Numbers (computation and fractions)
  - Number Patterns
  - Measurement (time and length)
  - Shape and Space

### Areas of Application

The TriMaths assessment can be used for several purposes:

- **Introduce learners to effective study habits in mathematics:** This includes the importance of motivation, background factors, and creating a positive learning environment for academic success.
- **Identify potential problems:** The assessment can help pinpoint areas where a student might be struggling with basic mathematical concepts or understanding.
- **Identify inadequate math language proficiency:** Early detection allows educators to provide targeted interventions to improve a student's ability to understand and use mathematical language effectively.