

# KeyMath3

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## What Is It?

- Measures essential math concepts & skills
- For ages 4 y. and 6 mo. to 21 y. and 0 mo.
- Kit includes: manual, Record Form A and/or B with detachable Written Computation Examinee Booklet, 2 easels
- 10 subtests: Numeration, Algebra, Geometry, Measurement, Data Analysis & Probability, Mental Computation & Estimation, Addition & Subtraction, Multiplication & Division, Foundations of Problem Solving, Applied Problem Solving

## Purpose

- 1.To measure math proficiency/skill level
- 2.To monitor progress
- 3.To support intervention & future instruction
- 4.To assist with educational placement

## Administration

- Qualification Level B required
- **Start point:** Grade level in Numeration
- Ceiling for Numeration used as start point for all other subtests
- **Basal:** First 3 items correct
- **Ceiling:** 4 items incorrect

## Major Features

- Assesses all essential math concepts as per the Canadian curriculum
- Subtests are individually normed allowing for individual administration
- Re-assessment with progress report possible every 3 months
- Algebra concepts included in each level of testing
- Assessment results inform individualized instruction plan
- Performance assessed relative to grade-level peers to inform educational placement

## Scoring

- 1.Score each item '1' or '0'
- 2.Determine raw scores for each subtest
- 3.Convert raw score to scaled score
- 4.Complete Score Summary
- 5.Obtain Area and Total Test Scores from Score Summary
- 6.Complete Observations section
- 7.Complete Score Profile Plot

## Interpretation

- 1.Obtain descriptive statistics
- 2.Determine strengths/weaknesses
- 3.Compare Area Scores and describe differences
- 4.Analyze strength/weakness patterns
- 5.Identify strength/weakness patterns
- 6.Develop individualized instruction plan

## Strengths

- Alignment with curriculum standards
- Provides reliable & valid information regarding students' math skills
- ASSIST scoring software provides learning objectives and individualized resources based on scores

## Limitations

- Math skills are only tested in one way, not accounting for other learning styles.
  - ELL students may have difficulty due to comprehension difficulties and cultural differences
  - Proficiency of students with diverse educational backgrounds may be underestimated
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