

# KeyMath3

## 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