

Mathematics Diagnostic / Prescriptive Inventory (MDPI)

Mathematics Learning Profile Summary

NAME: \_\_\_\_\_

GRADE \_\_\_\_\_

DATE: \_\_\_\_\_

EXAMINER: \_\_\_\_\_

<b>ACHIEVEMENT LEVEL:</b>
<b>Specific Mathematical Skills</b>
<b>Fundamental Skills:</b>
* Oral Counting Skills
* Telling Time Skills
* Money Skills
<b>Basic Quantitative Concepts:</b>
* Whole Number Concepts
* Place Value Concepts
* Fraction Concept
* Decimal Concept
<b>Mathematical Notation (Read/Write)</b>
* Whole Number Numerals
* Fraction Numerals
* Mixed Numerals
* Decimal Numerals
<b>Arithmetic Skills</b>
<b>Concepts Underlying Operations</b>
* Addition Concept
* Subtraction Concept
* Multiplication Concept
* Division Concept
<b>One Digit Facts (Fluency)</b>
* Addition Facts
* Subtraction Facts
* Multiplication Facts
* Division Facts
<b>Whole Numbers: Multi-Digit Operations</b>
* Addition Procedures
* Subtraction Procedures
* Multiplication: One Digit Multiplier
* Multiplication: Two Digit Multiplier
* Division: One Digit Divisor
* Division: Two Digit Divisor
* Basic Estimation Skills
* Factors & Primes
* Order of Operations
* Fraction Operations
* Decimal Operations
* Ratio, Proportion, Per Cent
<b>Real Life Applications</b>
* Applications: Direct Situations One Step Strategies
* Applications: Indirect Situations Two Step Strategies
* Applications: Complex Situations
<b>Spatial Relationships &amp; Geometry</b>
* 2D Geometric Designs
* 3D Geometric Configurations
* Volume
<b>Algebraic Thinking</b>
* Sets of Elements
* Intuitive Functions
* <b>Basic Algebraic Concepts &amp; Procedures</b>

<b>Qualitative Features</b>
*Number Sense
* Output Efficiency: - Fluency / Pace
- Precision
* Rote, "Recipe-Like" Flavor to Approaches
* Need for Concrete Approaches
* Facility w/ Symbolism - Graphomotor Skills
* Facility w/ Visual-Spatial Cues
* Facility w/ Language Demands in Math
<b>Mathematics Processing Strategies</b>
*Linear
*Global
*Concrete Concrete
<b>Executive Capacities</b>
* Organizational/Sequencing Skills
*Integration Skills
*Ability to Shift, Sustain, Follow- Thru, Monitor
*Ability to Deal with Increased Load & Abstraction
<b>Behavioral &amp; Affective Postures</b>
*Attention & Regulation
*Self-Esteem & Self-Efficacy
*Positive Behaviors
* Counterproductive Behaviors
<b>Comments:</b>