

2023 RTI Conference Handouts

Sunday 29th Oct

<u>Session 2</u> - Numeracy & Mathematics Assessment Using the RTE Model by Dr Sioioban Merlo

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Learning Difficulties Australia is an association of teachers and other professionals dedicated to assisting students with learning difficulties through effective teaching practices based on scientific research.































Example 2: Testing revealed that the student correctly added 2X 2 digit numbers with carrying. MultiLit

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Examples of tests usually at Tier 1:

Placement Tests:

Whole Class Screeners:

- I Can Do Maths
- PAT-Maths Screener
 ACER Mathematics test for incoming students
- ALER Instructions
 ALER INSTRUCTION
 ANAPLAN
 ANAPLAN
 OxEd (2023) <u>Mathscreen</u>: to assess the numerical skills of children
 between 5.5yo to 12yo

Maths Online Interview Mathematics Assessment Interview Connecting Math Concepts Pr1me Mathematics Singapore Maths Placement Tests Fractions and Decimids Online Interview Scaffolding Numeracy in the Middle Years (Learning Assessment Pearono Clinical, Amagebbig: Individually administered early numeracy measures (Lurirolum Based Measures and Standard Based Assessments)

Forefront Universal Screeners for Number Sense (USNS)

MultiLit



Examples of tests usually at Tier 3 (usually performed by specialists):

Comprehensive Standardised Tests: WIAT-III TEMA-3 and TOMA-3

Key Math (no subitising component)

Assessment Tools linked to Specific Intervention Programs: Diagnostic Assessment of Numeracy Skills Map (Diagnostic Assessment and Multi-Sensory Maths Remediation – Sarah Wedderburn)

CatchUp Basic Number Screening Test (BNST - Part of the CatchUp Numeracy Program)

Core Abilities Tests: Numeracy Screener (Ansari) Butterworth Dyscalculia Screener Dynamo Maths Number line estimation The Dyscalculia Assessment



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Spatial Ability Tests

- Raven's Progressive Matrices
- The WISC-V block design, visual puzzles, and matrix reasoning sub-tests
- -Processing speed subtests include symbol search and coding. • Mental Rotation Test (Vandenberg & Kuse, 1978)
- The mental cutting test" and the picture rotation Quaiser-Pohl, C. (2003).





