

Number Sense and Universal GradeLevels Screeners

As recommended by BMM Facebook Community

Free Screeners

Early Numeracy Only

[Christina Tondevoid's Number Sense Screener](#) Available on free on the Build Math Minds store, this assessment is based on Van de Walle's (2013) research on number sense essentials: spatial relationships which includes subitizing), one more/one less, benchmarks of 5 & 10, part-part-whole

[Primary Number and Operations Assessment - K-2](#)

A project of VT Agency of Education in 2014, this 1-1 interview typically lasts between 20 and 40 minutes.

[Intervention Central CBMS - Early Math Fluency](#)

This site allows you to create customized assessments.

Basic Facts Only

[Dr Nicki Newton's Math Running Records](#)

Based on the research by Dr Nicki Newton as written about in her book Math Running Records in Action, Math Running Records are one-on-one interviews with students on their thinking when solving basic facts for each operation. The strategies for solving basic facts are explored using a progression based on research by Dr Nicki. Part 1 measures relative speed and accuracy using benchmark expressions, Part 2 is the in-depth interview of their strategic thinking, and Part 3 is on their math disposition. It is designed to allow us to zoom in on exactly where a student needs to begin working and then create our instructional response. There is one for each operation and can be downloaded for free at www.mathrunningrecords.com.

Kindergarten through Grade 6 Screeners

[Forefront Universal Math Screener for Number Sense](#) (formerly Boulder Valley Screeners and based on the [Add+Vantage Math Recovery](#)) This was the **#1 recommendation** from the Build Math Minds members. From their site: Interview-based K-6 math screeners designed by teachers to assess for students' number sense. This open-source project provides free, high-quality assessment tools to over 6,000 schools in the US and internationally. There are beginning, middle, and end of year assessments which, depending on the time of year and the gradelevel may contain a combination of interviews, written components, and digital components.

[Georgia Numeracy Project - Kindergarten through 8th grade](#)

2nd most often mentioned free universal screener. This [PDF of a GA Numeracy Project presentation](#) on the project is a thorough overview of all the components. Based on [New Zealand Numeracy](#)

Project - GloSS (Global Strategy Stage) and IKAN (Individual Knowledge Assessment of Numeracy)
The Georgia Numeracy Project has 4 parts: GloSS, IKAN, Numeracy Intervention Instrument, and Intervention Activities.

From a Build Math Minds member:

We have started using the Georgia Numeracy project and documents from the New Zealand Numeracy project for the first time this year. A couple things that have been helpful for us are the descriptions of the stages in the number framework, the activities by stage from the Georgia numeracy project, and NZ maths project books, and student guides. The student guides have been really helpful for our teachers to help them progress monitor mastery of both knowledge and strategies.

****Special note**** Graham Fletcher did an hour-long webinar in BMM's Virtual Summit 2018 with videos of him administering these assessments. The session is called "K-5 Gamechanger: The Power of Student Interviews".

Individual Knowledge Assessment of Number (IKAN) For K-2, there is a counting assessment administered 1-1 which measures oral counting sequence forward and backward, number recognition, 1 more/1 less. For Grades 3 and up, the assessment is administered online with students recording answers on paper. It measures Number Sequence and Order, Fractions, Place Value, and Basic Facts.

Global Strategy Stage (GloSS) This is a 1-1 interview that measures Addition and Subtraction, Multiplication and Division, and Proportion and Ratios. Benefit is that the assessment is the same for throughout the grade levels so you can watch progress over years.

Data gleaned from both assessments correspond to different levels. There are support materials on their site for each of the levels as well.

Intervention Central CBMS - CBM Math Computation

This site allows you to create customized assessments.

Ontario Numeracy Assessment Package

Ontario Numeracy Assessment Package grades 3-9 game based learning assessments with next steps written by Dr. Marian Small

Delta Math -

From the Ottawa Area ISD, tons of rTier 1, 2 and 3 readiness screeners for all grades through high school as well as tiered resources.

Numeracy Consultants

From their website:

Our math intervention programs and assessment systems focus on basic and intermediate numeracy skills and fractional concepts. Assessment is crucial to student success. We show teacher how to use our math assessments to develop basic skills and lay a foundation for more advanced concepts. Task analysis must be done to break down each concept into smaller teachable skills. We offer three math intervention programs, The Primary Numeracy

Intervention Program (Kdg-3rd), Multiplication Thinking Program (3rd-5th), and the Fractional Reasoning Program (3rd - 6th). All three programs offer a free online webinar/training, free assessments, workbooks, frameworks, lesson plans, and over 200 free resources to support the program,

[All Learners Network](#) Grades PreK to 8

These “high leverage assessments” are relatively short, some interviews, some written, traditional algorithms are not accepted as demonstrating thinking, students are allowed to use manipulatives.

[Acadience Math K-6](#)

Available both for purchase and also free download. From their site: Acadience Math is comprised of measures of early numeracy, computation, and problem solving that function as indicators of the essential skills that every child must master in order to become proficient in mathematics.

[Number Worlds - Number Knowledge Test](#)

This is one assessment with items that become gradually more difficult. It is intended to be done completely orally with children 4, 6, 8 and 10.

[First Steps in Mathematics](#)

Provided at no cost by the publisher Pearson

For-Pay Screeners and Diagnostics

K-2 Screeners

[Assessing Math Concepts](#) by Kathy Richardson available on the Didax website. There are 9 assessments: counting Objects, Changing Numbers, More/Less Trains, Number Arrangements, Combination Trains, Hiding Assessment, Ten Frames, Grouping Tens, and Two-Digit Addition & Subtraction.

Book and Videos in [What to Look For](#) by Dr. Alex Lawson

Grades 1-5

[Add+Vantage Math Screener from Math Recovery](#)

[Master Track](#) - you can request a sample benchmark screener

[STAR Assessments from Renaissance Learning](#)

(Formerly called Fastbridge?) Administered completely online. Suite of data reports and resources as well.