



MATH

Build Proficiency with Powerful Intervention and Instruction

Istation's blended learning approach provides educators with tools to increase measurable outcomes, drive student engagement, and build mathematical proficiency for all learners.

Powerful Data

Improve student achievement with engaging assessments and lessons that provide actionable and insightful feedback. Powered by the strands of mathematical proficiency, as outlined by the National Research Council, Istation's Indicators of Progress (ISIP™) assessment addresses four levels of cognitive engagement, including:

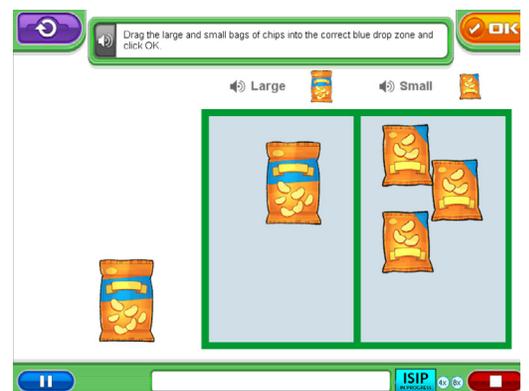
- Strategic Competence
- Adaptive Reasoning
- Procedural Fluency
- Conceptual Understanding

Covering elementary math concepts, Istation's interactive lessons and activities track and measure results while students apply skills such as problem solving, mathematical reasoning, and critical thinking.

Proven Results

Build foundational skills and predict student success while focusing on scientifically driven methods that improve engagement and educational outcomes.

Aligned to individual state standards and Common Core State Standards, Istation's assessments, instruction, and teacher-directed lessons also support special education.



Computer-adaptive assessments for measuring overall proficiency and ability



Interactive lessons with responsive reteaching



Made by Teachers for Teachers

Istation's nationally normed, research-based formative assessments and adaptive curriculum draw from the National Research Council's framework of mathematical proficiency.

Actionable, Insightful Data

Get easy-to-understand feedback that is timely, specific, and constructive to help support instructional decision-making, increase engagement, and improve educational outcomes.

Mixing teaching and technology to differentiate instruction, Istation prescribes explicit and direct lessons, giving students targeted interventions and instruction based on their specific needs and abilities.

What's Included

Teachers and administrators get the actionable and insightful data they need to differentiate instruction with essential tools and computer-based evaluations for small- and whole-group instruction. Schools get unlimited access, comprehensive support, and inclusive resources.

Formative Assessments

- Automatic screeners and progress monitoring
- On-demand assessments
- Precise measurements
- Seamless placement

Adaptive Curriculum

- Purposeful instruction
- Layered scaffolding
- Interactive lessons
- Explicit and direct instruction

Personalized Data Profiles

- Accurate results
- Recommendations for individual and small-group instruction
- Prescriptive support for intervention
- Intervention history

Teacher Resources

- Automatic priority alerts
- Online lesson libraries
- Interactive tools
- Lesson plans, interventions, and grouping mechanisms
- Reteaching tools

School-to-Home Connection

- Interactive lessons
- Ipractice
- Assignments
- Parent Portal

Professional Development

- Popular course models
- Customized workshops
- Support on-site, online, by phone and by email

Proven Results

- Award-winning
- Research-based
- Aligned to standards



Innovative Educational Technology

Designed for both developing and established learners, Istation supports intervention, development, and accelerated learning.

Istation's Indicators of Progress (ISIP™) formative assessments, adaptive curriculum, personalized data profiles, and flexible teacher resources work together to help schools:

- Implement multi-tiered systems of support strategies
- Prioritize critical interventions
- Identify students for small-group instruction
- Select from targeted teacher-led lessons
- Compile student strengths and weaknesses
- Document interventions

Formative Assessments

Students go on interactive math adventures where they apply mathematical skills and concepts in ways that make learning fun. Overall proficiency and mathematical abilities are measured in approximately 30 minutes.

Adaptive Curriculum

Learners are instantly placed into game-like instructional experiences that allow students to practice skills and progress through elementary math concepts.

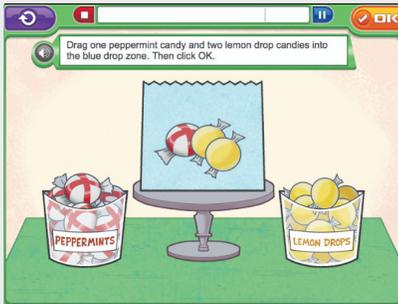
As students begin to develop their mathematical proficiency within the program, they interact with a variety of models and pictorial representations to support their understanding. Based on their progress, students are then introduced to algorithms and symbolic representations as part of the abstract stage of learning.

“ I love how the program tracks students' needs and provides instructional strategies. Our school is focused on creating a more beneficial and blended learning environment, and this application proves to be a hit! ”

1st Grade Teacher, Georgia



ISIP Skills and Domains

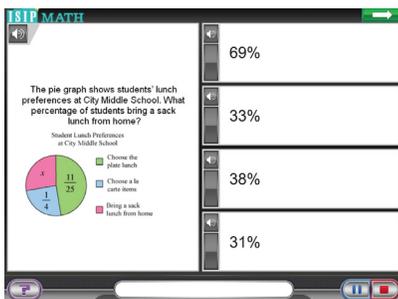


ISIP Early Math *Pre-K – 2nd Grade*

Early learners are assessed in approximately 30 minutes with engaging computer-adaptive assessments that feature shopping in a grocery store called Mario's Market. Assessment delivery is presented in a developmentally appropriate format with respect to students' reading skills, fine/gross motor skills, and hand-eye coordination.

ISIP Early Math assesses proficiency in the following domains:

- Number Sense
- Computations and Algebraic Thinking
- Geometry
- Measurement
- Data Analysis
- Probability



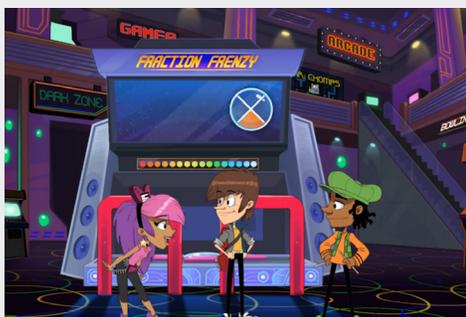
ISIP Math *3rd – 8th Grade*

Students are assessed in approximately 30 minutes with an engaging computer-adaptive assessment that introduces students to the world of Secret Equation Man. Students demonstrate their mathematical knowledge and provide critical insights and actionable data.

ISIP Math assesses proficiency in the following domains:

- Numbers Sense
- Computations and Algebraic Thinking
- Geometry
- Measurement
- Data Analysis
- Probability

Adaptive Curriculum



Time	Weight	Length	Capacity
1 mile (mi) = 1,760 yards (yd) 1 yard (yd) = 3 feet (ft) 1 foot (ft) = 12 inches (in.)			
Miss Match uses a 9 ft water hose to hydrate the garden each day. How many inches of garden hose is Miss Match working with?			
21 in.	99 in.	72 in.	108 in.

To promote student engagement and interest, Istation's interactive lessons and activities immerse students in a game-like environment with fun storylines and characters. Early learners join rock stars Donnie and the Decimals as Math Superstars on a U.S. concert tour, singing and learning about math skills. Students in later grades learn more about mathematical concepts when they partner with Donnie and the Decimals, who take on hidden identities as Secret Equation Man and his undercover friends.

Number Sense

Understanding fundamental math skills, whole numbers, fractions, decimals, and relationships between decimals; representing numbers with visual models; and understanding place value, counting, rounding, and comparing.

Computations and Algebraic Thinking

Performing operations and representing algebraic relationships; recognizing and creating patterns; understanding symbols (+, -, x, ÷); learning and applying computation strategies (solving for unknown); recalling basic facts; and working with expressions and equations.

Measurement and Data Analysis

Determining size or amount; measuring length, weight, volume, area, perimeter, capacity (liquid value), time, and money; understanding customary and metric systems; sorting and classifying data into categories; using various types of graphs and tables to represent data; interpreting and explaining patterns; drawing conclusions to solve problems; and recognizing and understanding graphs, picture graphs, bar graphs, line/dot plots, tables, and more.

Geometry

Understanding properties and attributes of shapes (2D and 3D), lines, and angles; sorting, classifying, naming, describing, and creating various shapes; and graphing points on the coordinate plane.

Probability

Analyzing chance events; organizing samples; making predictions; and determining solutions to problems.*

Personal Financial Literacy

Managing financial resources effectively for lifetime financial security; comprehending concepts of saving, spending, income, budgets, and borrowing; understanding/comprehending lending, credit, and debit; and understanding producers and consumers.*



Istation

Supporting Educators. Empowering Kids.
Changing Lives.

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