

Grades K-5

Math-at-Home Plan

MATHEMATICS



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Florida law requires school districts to identify and provide immediate, tailored instruction to students in grades k-4 who exhibit a substantial deficiency in math or characteristics of dyscalculia. As such, parents are also provided with a “math-at-home plan,” which outlines strategies and resources that parents can use to help their children improve in mathematics.

Each grade-level Math-at-Home Plan includes the following resources:

- Grade Level Mathematics Resources Toolkit
- Reveal Math Family Letters, including Math at Home activities

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MATHEMATICS-AT-HOME PLAN RESOURCES

A mathematics-at-home plan is required to be provided to parents of any student in a Voluntary Prekindergarten (VPK) Education Program provided by a public school who exhibits a substantial deficiency in early mathematics skills and any K-4 student who has been identified with a substantial deficiency in mathematics as stated in [Rule 6A-6.0533, Florida Administrative Code \(F.A.C.\), Determining Substantial Math Deficiency](#).

The Florida Department of Education has compiled resources that each district must include in a mathematics-at-home plan provided to the parent of a student who is identified as having a substantial mathematics deficiency. A home-based plan includes information and resources connected to the areas of emphasis for each grade level. These resources are available in an electronic format that is accessible online, and a hardcopy of such resources must be provided by the school upon parent request. To access these resources digitally, click on each link provided.

This document is intended to be utilized in conjunction with each district-supplied mathematics-at-home plan as required by [Section \(s.\) 1008.25\(6\), Florida Statutes \(F.S.\)](#).

FLORIDA’S BENCHMARKS FOR EXCELLENT STUDENT THINKING STANDARDS

Mathematics-at-Home Plan Resources

Supports for Parental Involvement

The Benchmarks for Excellent Student Thinking (B.E.S.T.) Standards for Mathematics constitute the foundational mathematical benchmarks for Florida students, serving to ensure the delivery of a world-class education that prepares students for prosperous futures in college, military and career opportunities. Parental involvement is an important part of a student’s education. To foster a collaborative and supportive educational environment, the Florida Department of Education has implemented comprehensive measures to engage parents of students, including those who have been identified as having a deficiency in mathematics. Recognizing the importance of family engagement in a student’s educational journey, dedicated Parent Guides have been crafted to provide families with insights into the B.E.S.T. Mathematics Standards. For more information, please visit <https://www.fldoe.org/academics/standards/subject-areas/math-science/mathematics/parent-resources.stml>.

Mathematics Deficiency and Parental Notification

Any student in a VPK Education Program provided by a public school who exhibits a substantial deficiency in early mathematics skills and any student in kindergarten through grade 4 who exhibits a substantial deficiency in mathematics or the characteristics of dyscalculia based upon screening, diagnostic, progress monitoring or assessment data; statewide assessments; or teacher observations must:

- Be provided systematic and explicit mathematics instruction through daily targeted small group mathematics intervention or supplemental, evidence-based mathematics interventions before or after school, or both, delivered by a highly qualified teacher of mathematics or a trained tutor.
- The student’s performance must be monitored and adjusted based on student need, until the student demonstrates grade level proficiency in a manner determined by the district.

Parents will immediately receive notification in writing:

- That his or her child has been identified as having a substantial deficiency in mathematics, including a description of the deficiency.
- Explanation of the exact nature of the student’s difficulty in learning and lack of achievement in mathematics.
- Description of the current services that are provided.
- Description of the proposed intensive interventions and supports that will be provided to the child that are designed to remediate the identified area of mathematics deficiency and timely updates.
- Strategies through a home-based plan the parent can use in helping his or her child succeed in mathematics, including access to resources.

School Choice

Florida recognizes the significant role education plays in a child’s life along with the right of parents to find the best education for their child. The Office of Independent Education and Parental Choice supports quality public and private education choice programs. Within this expansive framework, parents can navigate through an array of educational choices, ensuring a tailored approach that aligns with the unique learning requirements of their children. This includes access to scholarships, private and charter schools, reflecting the commitment of Florida to provide a comprehensive spectrum of educational opportunities. The Office of Independent Education and Parental Choice is a valuable repository of information regarding education options. For more information, please visit <https://www.fldoe.org/schools/school-choice/>.

FLORIDA'S BENCHMARKS FOR EXCELLENT STUDENT THINKING STANDARDS

Mathematics-at-Home Plan Resources

Division of Early Learning

Early education can be an important time during a student's educational career. In partnership with 30 early learning coalitions and the Redlands Christian Migrant Association, the Division of Early Learning oversees three programs: School Readiness, VPK and Child Care Resource and Referral. These programs collectively play a role in shaping the early educational experiences of students, laying a foundation for future academic success. Parents can access resources that will help them choose the right provider for their child and family. For more information, please visit <https://www.fldoe.org/schools/early-learning/parents/>.

Military Families

Florida hosts the 5th largest population of active-duty service personnel spanning all five branches of the United States Military. A dependent child of an active member of the armed forces may be eligible for educational opportunities under either branch of the Family Empowerment Scholarship Program (see [s. 1002.394, F.S.](#)). Families may receive financial assistance for tutoring and access to added education options, such as transportation, private school or other customized learning services and materials for students as young as 3 years of age. For more information, please visit <https://www.fldoe.org/schools/school-choice/other-school-choice-options/military-families/>.

Identifying and Evaluating a Student for Exceptional Student Education

When a parent or caregiver is concerned about a student who is performing significantly below grade level expectations or suspects that a student may have a disability, consider the following information:

- A medical diagnosis alone is insufficient to determine eligibility for exceptional student education. It is additional information that can be considered when collecting and reviewing student-specific data (information).
- Based on federal regulations, after completing the administration of assessments and other evaluation measures, the school district and a group of qualified professionals consisting of the parent and school staff determine if the child meets eligibility criteria for a disability category (Title 34, s. 300.306, Code of Federal Regulations).
- If a parent submits documentation from a licensed psychologist or licensed school psychologist (Chapter 490, Florida Statutes) that demonstrates that a student has been diagnosed with dyscalculia and also identifies the student's specific areas of difficulty, then evidence-based interventions must be initiated upon receipt of that documentation (see [s. 1008.25\(6\), F.S.](#)).

The [Bureau of Exceptional Education and Student Services](#) provides resources to guide parents, teachers and caregivers through the process of identifying and evaluating a student who is suspected of being a student with a disability and in need of exceptional student education and related services.

Characteristics of Specific Learning Disability

Specific Learning Disability is a term that describes an Exceptional Student Education eligibility category that refers to learning disorders that can affect a student's ability to read, write, listen, speak, reason and apply basic math skills. Rule 6A-6.03018, F.A.C., Exceptional Education Eligibility for Students with Specific Learning Disabilities, defines a specific learning disability as "a disorder in one or more of the basic learning processes involved in understanding or in using language, spoken or written, that may manifest in significant difficulties affecting the ability to listen, speak, read, write, spell or do mathematics." Dyscalculia is included among the "associated conditions" of a specific learning disability.

FLORIDA’S BENCHMARKS FOR EXCELLENT STUDENT THINKING STANDARDS
Mathematics-at-Home Plan Resources

Dyscalculia is a specific learning disability in mathematics. It affects areas of the brain that deal with number-related skills and understanding. The primary characteristics of dyscalculia could include the following: number sense, memorization of math facts, calculation and mathematical reasoning. When determining if a student exhibits characteristic(s) of dyscalculia, at least one of these characteristics should have persisted for at least six months despite interventions, and skills should be substantially below those expected for grade level.

Prekindergarten and Kindergarten	Grades 1-4
<p>Building a solid foundation in mathematics involves many different skills. Young children/students with learning disabilities may have difficulty:</p> <ul style="list-style-type: none"> ➤ Recognizing numbers and matching numbers with amounts (e.g., connecting the number 3 to that many objects in front of them). ➤ Sorting objects by shape, size or color. ➤ Recognizing groups and patterns. ➤ Comparing and contrasting using concepts like smaller/bigger or taller/shorter. ➤ Organizing numbers, such as largest to smallest or first to last. 	<p>As mathematics learning continues through the elementary grades, students with learning disabilities may have difficulty:</p> <ul style="list-style-type: none"> ➤ Doing simple calculations from memory. ➤ Solving basic math problems using addition, subtraction, multiplication and division. ➤ Figuring out how to apply their knowledge and skills to solve math problems. ➤ Recognizing and using number lines. ➤ Learning to use money (i.e., coins or bills). ➤ Reading an analog clock. ➤ Retaining basic math facts (e.g., memorizing multiplication tables). ➤ Understanding place value, often putting numbers in the wrong column. ➤ Understanding word problems or more advanced symbols (i.e., > meaning “greater than” or < meaning “less than”). ➤ Organizing numbers by scale (10s, 100s, 1,000s) or decimal place (0.1, 0.01, 0.001). ➤ Understanding what is written on a board or in a textbook due to visual-spatial difficulties.

For more information, please visit <https://www.fl DOE.org/academics/exceptional-student-edu/ese-eligibility/specific-learning-disabilities-sld/index.shtml>.

New Worlds Scholarship Account

The New Worlds Scholarship Account provide \$1,200 scholarships to eligible VPK-5 students who:

- show a substantial deficiency in early literacy or early mathematics skills,
- show a substantial deficiency in reading or mathematics,
- exhibit characteristics of dyslexia or dyscalculia, or
- score below a level 3 on the most recent statewide, standardized English Language Arts (ELA) or mathematics assessment.

The program offers parents/guardians access to education savings accounts to pay for tuition and fees related to part-time tutoring, summer and after-school literacy or mathematics programs, and instructional materials. Your child may be eligible for a New Worlds Scholarship Account. For more information, please visit <https://www.fl DOE.org/schools/school-choice/k-12-scholarship-programs/reading/>.

English Language Learners

English Language Learners (ELLs) have a wide variety of supports available to increase essential performance in mathematics. Recognizing the unique needs of ELLs, each LEA has crafted an individualized English Language Learner Plan, which serves as a strategic blueprint outlining targeted strategies and valuable resources aimed at fostering the academic success of ELLs. More information may be found at <https://www.fl DOE.org/academics/eng-language-learners/index.shtml>.

FLORIDA’S BENCHMARKS FOR EXCELLENT STUDENT THINKING STANDARDS
Mathematics-at-Home Plan Resources

Overview of Assessment Types

As students progress from kindergarten, they should be steadily developing the skills needed to become grade-level mathematicians. While students are learning to do math, educators and parents can monitor students to see if they are on track with grade-level expectations. Florida uses various types of assessments to monitor students’ progress in mathematics.

ASSESSMENT	PURPOSE
Screening	The purpose of screening is to identify the likelihood (probability) of risk or success in mathematics achievement. Educators can also use screening to measure the effectiveness of Tier 1, or core, instruction in the classroom and identify students needing more intensive interventions and supports (Tier 2 and 3 supports).
	The purpose of progress monitoring is to determine whether students are learning the skills taught throughout the school year. Progress monitoring can be done at the state level or the local level. Progress monitoring can also be referred to as interim assessments.
	The purpose of a diagnostic assessment is to identify a student’s strengths and weaknesses for students identified as at-risk on a screening assessment.
	The purpose of formative assessments is to monitor student learning to provide ongoing feedback that can be used by educators to identify the current state of the learner’s knowledge and skills. More specifically, educators can use formative assessment on a regular basis to monitor student learning and adjust their current instruction to meet the needs of the learner in real time.
	The purpose of summative, or outcome, assessments is to evaluate students’ performance relative to a set of content standards generally administered at the end of the school year.

Statewide Mathematics Assessments

All Florida students participate in the state’s assessment and accountability system. The primary goal of these assessments is to provide information about student learning in Florida, as required by Florida law (see [s. 1008.22, F.S.](#)).

- Coordinated Screening and Progress Monitoring System: Also known as the Florida Assessment of Student Thinking (FAST), these assessments provide information in mastering grade-level standards for PreK-8 and provide information on students’ progress to parents, teachers and school and program administrators. FAST assessments are administered during three Progress Monitoring (PM) windows: beginning of the school year (PM1), middle of the school year (PM2) and end of the school year (PM3). **For grades 3-8 FAST Mathematics PM3: In accordance with s. 1008.22(3)(a), F.S., PM3 will be considered the statewide, standardized assessment in mathematics and will be used for accountability purposes.*
- Florida Alternate Assessment (FAA): The FAA is aligned with Access Points - Alternate Academic Achievement Standards (AP-AAAS). AP-AAAS reflects the most salient content of Florida’s statewide academic achievement standards that apply to all students in the same grade. Students with a most significant cognitive disability who meet the criteria in the [Rule 6A-1.0943, F.A.C., Statewide Assessment for Students with Disabilities](#), may participate in the FAA if their individual educational plan team determines it is the most appropriate assessment option.

For more information regarding FAST assessments, please visit fldoe.org/accountability/assessments/k-12-student-assessment/best/. For resources related to FAST assessments, visit ffast.org/fast.html.

Kindergarten





Grade K Mathematics Resources Toolkit



The Grade K Mathematics Resource Toolkit is intended to provide recommended guidance to parents in assisting their child with the Florida Benchmarks for Excellent Student Thinking (B.E.S.T.) Standards. This resource toolkit includes Grade K standards information and resources related to the Grade K curriculum to aid in preparing your child for the Mathematics Florida Assessment of Student Thinking (FAST) Assessment.

Grade K Mathematics Resources

This section features links to resources and tools to allow you to assist your child at home.

Student and Parent Resources

- [Grade K FLDOE Instructional Resource Math Toolkit Videos](#)
- [Grade K Mathematics Student Resources](#)
- [Renaissance Star Sample Test Items](#)

[Grade K Mathematics Course Description](#)

Course descriptions provide an overview of the required standards for the course. The Grade K mathematics course description includes resources for all 37 standards within the Grade K mathematics course.

Family Letters

Family Letters strengthen the home-school connection by involving parents in their students' learning. Parents can easily stay up-to-date on their child's education, giving them the ability to understand concepts in a whole new way and better assist their child with practice and review for assessments

Scan QR code to Access Kindergarten Family Letters

**Unit 8
Family Letter**

Florida Reveal
MATH

Dear Family,
In this unit, Addition and Subtraction Strategies, we will be learning how to make and decompose numbers to 10.

STEM Career Kid for this Unit

Hi, I'm Deven.
Hello! My name is Deven, and I want to be a sound engineer. Sound engineers use math when they determine the number of



What math terms will your child use?

Term	Student Understanding
fewer	the number of objects in one group is smaller than that of another group
more	the number of objects in one group is larger than that of another group
similar	the same as, alike
sort	to put objects into groups by a particular attribute

Florida Reveal
MATH

**Unit 4
Family Letter**

Dear Family,
In this unit, Sort, Count, and Compare Objects, we will be learning how to sort and compare groups of objects.

STEM Career Kid for this Unit

Hi, I'm Jin.
Hello! My name is Jin, and I want to be a paleontologist. Paleontologists use math when they sort fossils by shape and order them from biggest to smallest.



What math terms will your child use?

Term	Student Understanding
fewer	the number of objects in one group is smaller than that of another group
more	the number of objects in one group is larger than that of another group
similar	the same as, alike
sort	to put objects into groups by a particular attribute



What can your child do at home?
Encourage your child to describe how objects around your home are alike or different. For example, ask your child to describe how apples, oranges, and peaches are similar and different. Have them sort the fruit into groups.

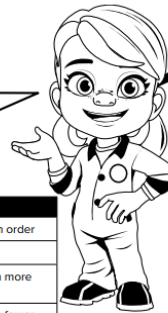
**Unit 2
Family Letter**

Florida Reveal
MATH

Dear Family,
In this unit, Numbers to 5, we will be learning to count groups of objects and to compare the numbers of objects in two groups.

STEM Career Kid for this Unit

Hi, I'm Riley.
Hello! My name is Riley, and I want to be an automotive engineer. Automotive engineers use math when they design cars.



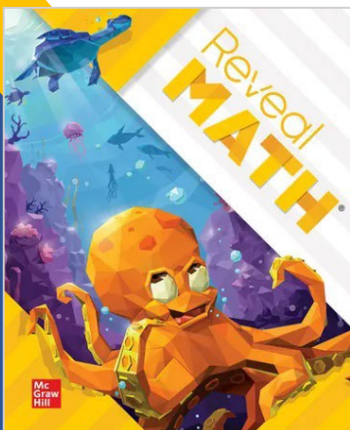
What math terms will your child use?

Term	Student Understanding
count	say one number for each object shown in order
equal to	having the same amount
greater than	description of the number of objects with more after comparing two groups
less than	description of the number of objects with fewer after comparing two groups

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Password:
math



What can your child do at home?
In every lesson, students have a Math at Home activity to practice the math concept they are learning. Throughout this unit, encourage your child to count objects in groups of one to five. For example, put out three cans of food and ask your child to count the cans.

First Grade





Grade 1 Mathematics Resources Toolkit



The Grade 1 Mathematics Resource Toolkit is intended to provide recommended guidance to parents in assisting their child with the Florida Benchmarks for Excellent Student Thinking (B.E.S.T.) Standards. This resource toolkit includes Grade 1 standards information and resources related to the Grade 1 curriculum to aid in preparing your child for the Mathematics Florida Assessment of Student Thinking (FAST) Assessment.

Grade 1 Mathematics Resources

This section features links to resources and tools to allow you to assist your child at home.

Student and Parent Resources

- [Grade 1 FLDOE Instructional Resources Math Toolkit Videos](#)
- [Grade 1 Mathematics Student Resources](#)
- [Renaissance Star Sample Test Items](#)

[Grade 1 Mathematics Course Description](#)

Course descriptions provide an overview of the required standards for the course. The Grade 1 mathematics course description includes resources for all 41 standards within the Grade 1 mathematics course.

Family Letters

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Unit 12
Family Letter



Dear Family,

In this unit, Measurement we will be learning how to measure lengths, tell time to the nearest hour and half hour, and determine the values of coins and bills.

STEM Career Kid for this Unit

Hi, I'm C.J.

Hello! My name is C.J. and I want to be a statistician. Statisticians use math when they calculate the amount of money for different events.



What math terms will your child use?

Term	Student Understanding
analog clock	a clock that has an hour hand and a minute hand
hour hand	the shorter hand on an analog clock that tells the hour
minute hand	the longer hand on an analog clock that tells the minute
unit	an object used to measure; for exam paper clip or a connecting cube car to measure lengths

Unit 6
Family Letter



Dear Family,

In this unit, 2-Dimensional and 3-Dimensional Figures, we will be learning how to identify 2- and 3-dimensional figures. We will also learn how to build new figures and composite figures.

STEM Career Kid for this Unit

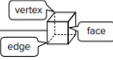
Hi, I'm Riley.

Hello! My name is Riley, and I want to be an automotive engineer. Automotive engineers use math when they use figures to design a dashboard for a car.



What math terms will your child use?

Term	Student Understanding
2-dimensional figure	"flat" figures that have length and width; For example, triangles and circles are 2-dimensional (2-D) figures.
3-dimensional figure	figures that have length, width, and height; For example, rectangular prisms and cylinders are 3-dimensional (3-D) figures.
edge	on a 3-D figure, the place where two faces meet
face	on a 3-D figure, a flat surface
vertex	on a 3-D figure, the point where edges meet



Math @ Home Activity

Work with your child to practice time-telling skills. Provide ample compare the lengths of objects, to the hour and half hour.

Scan QR code to Access Grade 1 Family Letters

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Password: math

Unit 2
Family Letter



Dear Family,

In this unit, Number Patterns, we will be learning how to identify and describe number patterns when counting by 1s and counting groups of objects.

STEM Career Kid for this Unit

Hi, I'm Erik.

Hello! My name is Erik, and I want to be a video game designer. Video game designers use math when they keep score in their games.



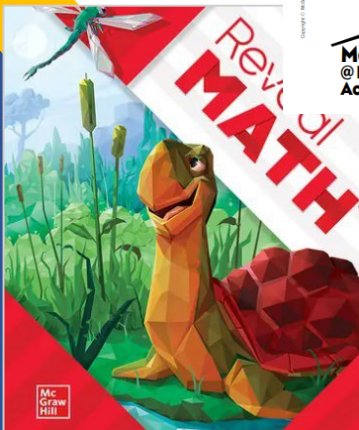
What math terms will your child use?

Term	Student Understanding
column	a part of a table that goes up and down
ones	the numbers in the range of 0-9
pattern	a series or sequence that repeats based on a rule
row	a part of a table that goes left to right
tens	numbers such as 10, 20, 30, etc.; each ten represents ten ones

Math @ Home Activity

What can your child do at home?

Encourage your child to identify figures in his or her everyday life. For example, while looking through a magazine, have your child name the figures he or she see.



What can your child do at home?

Encourage your child to identify patterns when counting by 1s up to 120. For example, identify a starting number and have your child write the next three numbers. Then have your child identify a pattern in the numbers he or she wrote.

Second Grade





Grade 2 Mathematics Resources Toolkit



The Grade 2 Mathematics Resource Toolkit is intended to provide recommended guidance to parents in assisting their child with the Florida Benchmarks for Excellent Student Thinking (B.E.S.T.) Standards. This resource toolkit includes Grade 2 standards information and resources related to the Grade 2 curriculum to aid in preparing your child for the Mathematics Florida Assessment of Student Thinking (FAST) Assessment.

Grade 2 Mathematics Resources

This section features links to resources and tools to allow you to assist your child at home.

Student and Parent Resources

- [Grade 2 FLDOE Instructional Resource Math Toolkit Videos](#)
- [Grade 2 Mathematics Student Resources](#)
- [Renaissance Star Sample Test Items](#)

[Grade 2 Mathematics Course Description](#)

Course descriptions provide an overview of the required standards for the course. The Grade 2 mathematics course description includes resources for all 42 standards within the Grade 2 mathematics course.

Family Letters

Family Letters strengthen the home-school connection by involving parents in their students' learning. Parents can easily stay up-to-date on their child's education, giving them the ability to understand concepts in a whole new way and better assist their child with practice and review for assessments

Scan QR code
to Access
Grade 2
Family Letters

Unit 11
Family Letter

Dear Family,

In this unit, Data, we will be learning about tally marks, tables, pictographs, and bar graphs that help to represent and interpret data.

STEM Career Kid for this Unit

Hi, I'm Hugo.

Hello! My name is Hugo, and I want to be a meteorologist. Meteorologists use math when they record the weather for a month.



What math terms will your child use?

Term	Student Understanding
bar graph	a graph that uses bars to show data
data	information that is collected
pictograph	a graph that has different pictures it has been collected
scaled	In a scaled graph, each picture or in than 1.
tally mark	a mark to represent a piece of data.

Unit 5
Family Letter

Dear Family,

In this unit, Strategies to Fluently Add within 100, we will learn how to use different strategies to add two or more two-digit numbers, add two-digit numbers on a number line, understand addends can be added in any order, and use strategies to solve equations and word problems.

STEM Career Kid for this Unit

Hi, I'm Erik.

Hello! My name is Erik, and I want to be a video game designer. Video game designers use math when they determine how many points players earn while playing a game.



What math terms will your child use?

Term	Student Understanding
adjust	to add an amount to one addend and take away the same amount from another addend to create at least one friendly number, for example, $52 + 26 = 50 + 28 = 78$
friendly numbers	numbers that are easy to add
partial sums	totals of parts of an addition problem; partial sums can be added together to find a total sum

Unit 2
Family Letter

Dear Family,

In this unit, Place Value to 1,000, we will be learning how to represent, read, write, decompose, round, and compare 3-digit numbers.

STEM Career Kid for this Unit

Hi, I'm Sienna.

Hello! My name is Sienna, and I want to be a nutritionist. Nutritionists use math to find the number of calories in a serving of food.



What math terms will your child use?

Vocabulary	Definition
decompose	to break a number apart based on place value; for example, 239 can be decomposed as $200 + 30 + 9$
expanded form	a way of writing a number that shows the place value of each digit; for example, 382 written in expanded form is $300 + 80 + 2$
standard form	a way to write a number using only digits; for example, 526 is written in standard form
word form	a way to write a number using only words; for example, 147 written in word form is one hundred forty-seven

Math @ Home Activity
Look for examples of tables, pictograph, and online resources. Draw each graph represents and what in from it.

Math @ Home Activity
Encourage your child to practice counting on, making a 10, each strategy on small grid paper and use the strategy.

Scan QR code or visit
bit.ly/3MtAP6T



Password:
math



Math @ Home Activity

Have your child practice writing 3-digit numbers in different ways. Create a table with columns for "Standard Form," "Word Form," and "Expanded Form." Work with your child to completely fill in the table with different 3-digit numbers.

Third Grade





Grade 3 Mathematics Resources Toolkit



The Grade 3 Mathematics Resource Toolkit is intended to provide recommended guidance to parents in assisting their child with the Florida Benchmarks for Excellent Student Thinking (B.E.S.T.) Standards. This resource toolkit includes Grade 3 standards information and resources related to the Grade 3 curriculum to aid in preparing your child for the Mathematics Florida Assessment of Student Thinking (FAST) Assessment.

Grade 3 Mathematics Resources

This section features links to resources and tools to allow you to assist your child at home.

Student and Parent Resources

- [Grade 3 FLDOE Instructional Resource Math Toolkit Videos](#)
- [Grade 3 Mathematics Florida Students Resources](#)

[Grade 3 Mathematics Course Description](#)

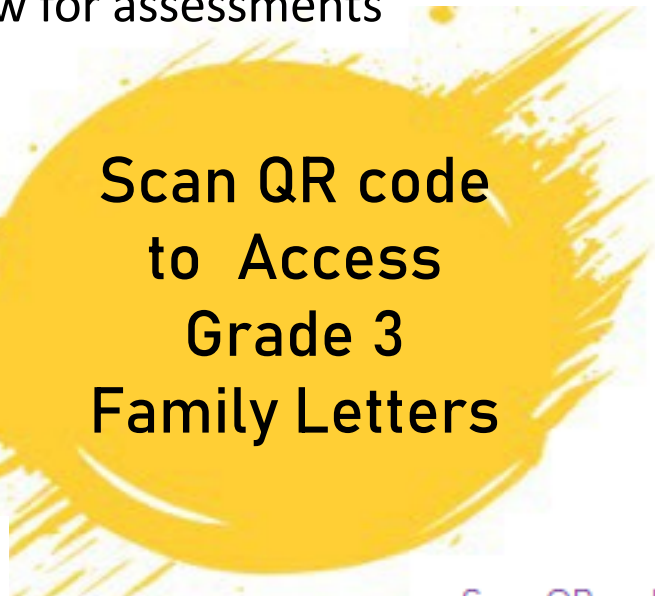
Course descriptions provide an overview of the required standards for the course. The Grade 3 mathematics course description includes resources for all 42 standards within the Grade 3 mathematics course.

[Florida Department of Education: Students & Families Resources](#)

General information and resources about the Florida Assessment of Student Thinking (FAST) can be found here for students and parents.

Family Letters

Family Letters strengthen the home-school connection by involving parents in their students' learning. Parents can easily stay up-to-date on their child's education, giving them the ability to understand concepts in a whole new way and better assist their child with practice and review for assessments



Unit 12
Family Letter



Dear Family,

In this unit, *Measurement*, your child will learn how to tell time to the nearest minute and use tools to measure length, liquid volume, and temperature. They will solve some real-world problems involving these measurements as well as weight, mass, and time.

STEM Career Kid for this Unit

Hi, I'm Noah.

I want to be a nurse. I will use math in my job when I take patients' temperatures and weights or measure medicines. I'll show students how I will use measurement in my work.



What math terms will your child use?

Term	Student Understanding
liquid volume	the amount of liquid measured in units such as milliliters or cups
mass	the amount of matter in an object
thermometer	a tool used to measure temperature something is

Unit 7
Family Letter



Dear Family,

In this unit, *Fractions*, your child will learn what fractions are, what they represent, and how to show them by using number lines or other representations. They will also read and write fractions in standard form, numeral-word form, and word form.

STEM Career Kid for this Unit

Hi, I'm Haley.

I want to be an astronomer. I will use math in my job when I describe the part of the Moon and planets I can see. I'll show students how I use fractions in my work.



What math terms will your child use?

Term	Student Understanding
denominator	the total number of equal parts in the whole; the bottom number in a fraction
fraction	a number that represents equal parts of a whole
numerator	the number of equal parts being used; the top number in a fraction
unit fraction	a fraction with a numerator of 1

Unit 2
Family Letter



Dear Family,

In this unit, *Place Value and Number Relationships*, your child will learn how to represent 4-digit numbers. Your child will also learn strategies to compose, decompose, compare, order, and round 4-digit numbers.

STEM Career Kid for this Unit

Hi, I'm Poppy.

I want to be a park ranger. I will use math in my job when I study the number of people that visit different parks each month. I will show students how I will use place value in my work.



What math terms will your child use?

Term	Student Understanding
decompose	to break something into parts
expanded form	a representation of a number as a sum that shows the value of each digit; 9,834 written in expanded form is $9,000 + 800 + 30 + 4$
round	to decide whether a number is to the left or to the right of the halfway point; For example, 2,873 rounded to the nearest thousand is 3,000.
standard form	the usual way of writing a number that shows only its digits, no words

Math @ Home Activity

Help your child develop fluency with place value. Choose a 4-digit number. Work with your child to see how many different ways you can decompose the number.

Scan QR code or visit
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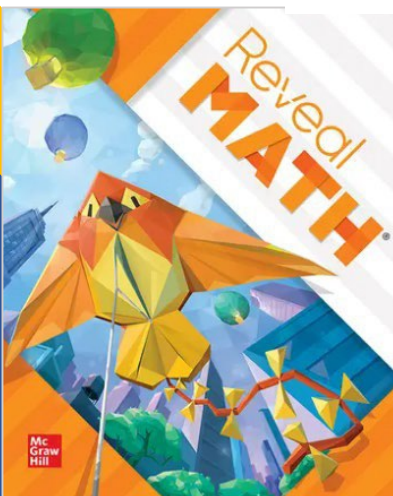
Password:
math

Math @ Home Activity

Search the home with your child for measurements. Have them use m and scales to practice measuring, measure.

Math @ Home Activity

Have your child look for fractions in real-world situations. Your child might find fractions on food labels, in newspapers, etc. Ask them to identify the numerator and denominator and to discuss what the fraction means in the context in which it occurs.



Fourth Grade





Grade 4 Mathematics Resources Toolkit



The Grade 4 Mathematics Resource Toolkit is intended to provide recommended guidance to parents in assisting their child with the Florida Benchmarks for Excellent Student Thinking (B.E.S.T.) Standards. This resource toolkit includes Grade 4 standards information and resources related to the Grade 4 curriculum to aid in preparing your child for the Mathematics Florida Assessment of Student Thinking (FAST) Assessment.

Grade 4 Mathematics Resources

This section features links to resources and tools to allow you to assist your child at home.

Student and Parent Resources

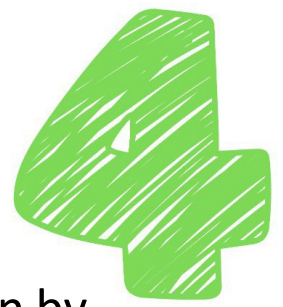
- [Grade 4 FLDOE Instructional Resource Math Toolkit Videos](#)
- [Grade 4 Mathematics Florida Students Resources](#)

[Grade 4 Mathematics Course Description](#)

Course descriptions provide an overview of the required standards for the course. The Grade 4 mathematics course description includes resources for all 54 standards within the Grade 4 mathematics course.

[Florida Department of Education: Students & Families Resources](#)

General information and resources about the Florida Assessment of Student Thinking (FAST) can be found here for students and parents.



Family Letters

Family Letters strengthen the home-school connection by involving parents in their students' learning. Parents can easily stay up-to-date on their child's education, giving them the ability to understand concepts in a whole new way and better assist their child with practice and review for assessments

Unit 12
Family Letter



Dear Family,

In this unit, *Decimal Fractions*, your child will learn to understand the relationship between fractions over 10 or 100 and decimals, order decimals to the hundredths place, and explore the addition and subtraction of decimals to the hundredths place.

STEM Career Kid for this Unit

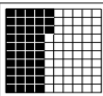
Hi, I'm Grace.

I want to be a computer programmer. Computer programmers write many, many lines of code, but they can't use fractions. As a computer programmer, I need to know how to write fractions as decimals.



What math terms will your child use?

Term	Student Understanding
decimal	a system of representing numbers that are not whole numbers, such as 1.25
decimal point	the point in a decimal number used to separate the whole value and the part, such as 1.25
decimal grid	a 10 x 10 grid used to show the quantity of a decimal out of 100



Unit 7
Family Letter



Dear Family,

In this unit, *Division Strategies with Multi-Digit Dividends and 1-Digit Divisors*, your child will estimate quotients, use partial quotients to divide 2-digit and multi-digit dividends, interpret remainders, and solve complex problems involving division.

STEM Career Kid for this Unit

Hi, I'm Finn.

I want to be a construction manager. I will use math in my job when I supervise construction projects. I'll show students how I will use division strategies when I equally divide supplies among workers.



What math terms will your child use?

Term	Student Understanding
partial quotient	Numbers that represent a portion of the quotient of two numbers; add partial quotients to find the quotient
range	a lower and upper limit of possible solutions
remainder	a number "left over" after

Unit 5
Family Letter



Dear Family,

In this unit, *Numbers and Number Patterns*, your child will find factor pairs of whole numbers and identify numbers as prime or composite. Your child will also generate a pattern from a rule and describe and extend a pattern.

STEM Career Kid for this Unit

Hi, I'm Haley.

I want to be an astronomer. I will use math in my job when I study space. I'll show students how I will use the math of this unit in my work.



What math terms will your child use?

Term	Student Understanding
composite number	a whole number that has more than 1 factor pair
factor pair	a set of two factors that are multiplied together to get a product
pattern rule	the rule tells us how to find the next term in the sequence
prime number	a whole number with exactly two factors, 1 and itself
sequence	numbers that follow a repeated pattern
numerical pattern	a sequence of numbers that follow a rule.

What can your child do at home?

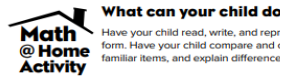
You can help your child practice finding factor pairs of a number. Use two playing cards to create a two-digit number and then have them list all of the factor pairs of that number.

Scan QR code
to Access
Grade 4
Family Letters

Scan QR code or visit
bit.ly/3MtAP6T



Password:
math

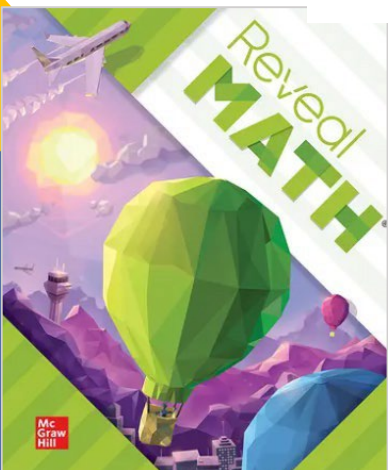


What can your child do

Have your child read, write, and rephrase. Have your child compare and contrast familiar items, and explain difference



What can your c
Have your child use divit
home into equal groups.
should be a 2-, 3-, or 4-d
divide 144 beads into 6 c





Grade 5 Mathematics Resources Toolkit



The Grade 5 Mathematics Resource Toolkit is intended to provide recommended guidance to parents in assisting their child with the Florida Benchmarks for Excellent Student Thinking (B.E.S.T.) Standards. This resource toolkit includes Grade 5 standards information and resources related to the Grade 5 curriculum to aid in preparing your child for the Mathematics Florida Assessment of Student Thinking (FAST) Assessment.

Grade 5 Mathematics Resources

This section features links to resources and tools to allow you to assist your child at home.

Student and Parent Resources

- [Grade 5 FLDOE Instructional Resource Math Toolkit Videos](#)
- [Grade 5 Mathematics Florida Students Resources](#)

[Grade 5 Mathematics Course Description](#)

Course descriptions provide an overview of the required standards for the course. The Grade 5 mathematics course description includes resources for all 51 standards within the Grade 5 mathematics course.

[Florida Department of Education: Students & Families Resources](#)

General information and resources about the Florida Assessment of Student Thinking (FAST) can be found here for students and parents.

Family Letters

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Unit 10
Family Letter



Dear Family,

In this unit, *Multiply Fractions*, your child will learn how to use different strategies and representations to multiply whole numbers, mixed numbers, and fractions.

STEM Career Kid for this Unit

Hi, I'm Hannah.

I want to be a welder. I will use math in my job when I determine how much time it will take me to complete a job. I will show students how to multiply fractions in my work.



What math terms will your child use?

Term	Student Understanding
denominator	the bottom number in a fraction; it represents the number of equal parts in the whole.
mixed number	a number that has a whole-number part and a fraction part. For example, $3\frac{1}{2}$ is a mixed number.
numerator	the top number in a fraction; it represents the number of equal parts.
square unit	square with a measure area

Unit 5
Family Letter



Dear Family,

In this unit, *Multiply Multi-Digit Whole Numbers*, your child will learn how to estimate products, find the products of multi-digit numbers, using partial products or an algorithm, and solve multi-step problems involving multiplication.

STEM Career Kid for this Unit

Hi, I'm Owen.

I want to be an entomologist. I will use math in my job when I study populations of insects. I will show students how I will multiply multi-digit numbers in this unit.



What math terms will your child use?

Term	Student Understanding
algorithm	a particular math process used to solve a problem that provides a correct solution every time
area model	a visual model used to determine the partial products and the product.
estimate	to approximate the answer to see if it is near
partial products	the result of multiplying a decomposed fact be added together to determine the product

Unit 2
Family Letter



Dear Family,

In this unit, *Volume*, your child will calculate volume and use volume formulas to solve real-world problems.

STEM Career Kid for this Unit

Hi, I'm Hiro.

I want to be an ocean engineer. I will use math in my job when I calculate depths, map out ocean floors, and find different ratios. I will explain to students how I can use volume in my work.

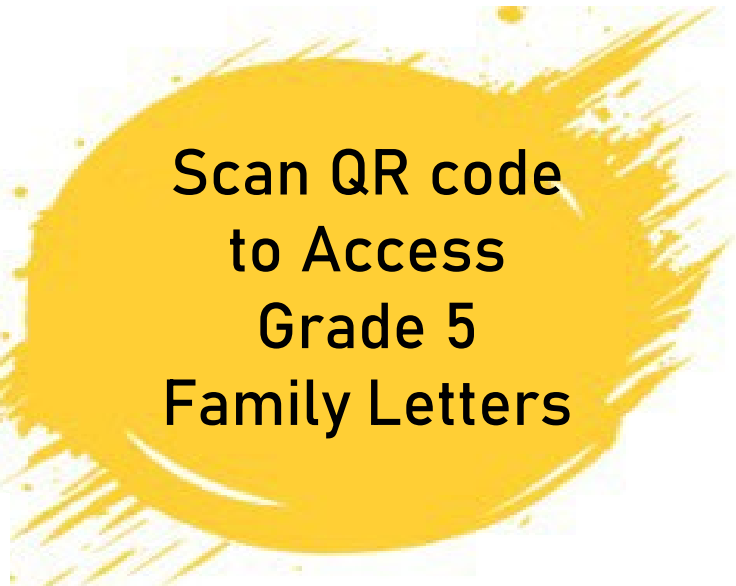


What math terms will your child use?

Term	Student Understanding
volume	a measurement of space, often used to describe how much a container can hold; measured in cubic units
base	the face that a solid figure sits (rests) on
composite solid figure	a 3-dimensional figure made up of two or more solid figures

What can your child do at home?

Help your child practice calculating volume by measuring objects that are rectangular prisms and using the dimensions to find the volume of each. You can also have your child draw rectangular prisms and label them with dimensions they have estimated, and then calculate the volume.



Scan QR code or visit
bit.ly/3MtAP6T



Password:
math



What can your child do at home?
With your child equation $\frac{a}{b} \times c$ multiply the $\frac{a}{b}$ by any fractions rectangular c fractional part to find the answer for your child

What can your child do at home?
Throughout this unit, help your child practice multi-digit numbers. Provide experience with 4-digit numbers by up to 4-digit numbers, numbers by up to 4-digit numbers. The more practices multiplying, the easier the process

