Public Year-at-a-Glance First Grade 2019-2020

Go to Website: [Florida Students Grade 1 Math](http://www.floridastudents.org/#37|5|13033|0)

\*\* Use Firefox or Chrome for **Khan Academy videos**

Quarter 1: Units 1, 2, 3, and 4

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Unit 1: Understanding ten ones make a ten:

[Candy Machine](http://more2.starfall.com/m/math/candy-machine/load.htm?f&d=demo&filter=first)

[Playing with Tens and Ones Games](http://www.uen.org/Lessonplan/preview.cgi?LPid=18813)

[Grouping and Grazing](http://illuminations.nctm.org/Activity.aspx?id=3526)

Unit 2: Using data to add and subtract to 20

[Using the Number Line for addition](https://www.opened.com/video/addition-using-the-number-line-common-core-edition-part/206669)

[Subtract to Compare](https://www.splashmath.com/math-skills/first-grade/advanced-subtraction/subtract-to-compare)

[Subtract using pictures](https://www.splashmath.com/math-skills/first-grade/subtraction/subtract-using-pictures)

Unit 3: Ordering and comparing lengths

[Zoo School- Online tutorial for MD.1](http://www.cpalms.org/Public/PreviewResourceStudentTutorial/Preview/119011)

[Comparing three objects by length](https://www.youtube.com/watch?v=5LImyAx7qcI)

[Comparing Length](https://www.youtube.com/watch?v=5lOQCaVoQpM)

[How do you measure an object in inches using a ruler?](http://www.virtualnerd.com/tutorials/?id=Gr6_02_01_0043)

Unit 4: Exploring quantities to 99

[Patterns on a hundreds chart](https://www.khanacademy.org/math/early-math/cc-early-math-counting-topic/cc-early-math-numbers-120/v/number-grid) \*\* Use Firefox or Chrome for **Khan Academy videos**

[Filling in a 120 Chart](http://www.cpalms.org/Public/PreviewResourceStudentTutorial/Preview/113535) Please note that first graders need ONLY go to 99 now!

Quarter 2: Units 5, 6, 7, & 8

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Unit 5: Telling and writing time to the hour; intro of coins

[Telling Time-basics of the clock for 1st grade](https://www.youtube.com/watch?v=5xRoBx7iVGI)

[Tell Time to hour- rote practice](https://www.youtube.com/watch?v=KGQn48ppJ_Q)

[Counting coins- pennies and dimes](https://www.youtube.com/watch?v=9I7TZN3mq0s)

[Penny, Nickel, Dime, and Quarter Id and value](https://www.youtube.com/watch?v=S41F8KdgAek)

Unit 6: Developing addition and subtraction strategies [Adding with the commutative property](https://www.khanacademy.org/math/early-math/cc-early-math-add-sub-20/cc-early-math-add-20/v/adding-3-numbers)

[Using addition to subtract](https://www.youtube.com/watch?v=jiF43mac-ik)

[Subtraction STRATEGIES](https://www.youtube.com/watch?v=p3Zhj4ZmtPo) Excellent video demonstrating strategies students need for understanding

Unit 7: Distinguishing attributes of shapes

[Video for defining attributes and non-defining attributes](http://www.onlinemathlearning.com/drawing-shapes-grade1.html)

[Geometry games](https://www.mathgames.com/grade1)

[Shape Match](http://www.abcya.com/shape_match.htm)

Unit 8: Using place value to read, write, represent, and compare numbers

[Candy Machine](http://more2.starfall.com/m/math/candy-machine/load.htm?f&d=demo&filter=first)

[Counting Tens- Zero the Hero](http://www.cpalms.org/Public/PreviewResourcePerspectivesVideo/Preview/120676)

[Numbers in order from least to greatest](https://www.mathgames.com/skill/1.35-put-numbers-in-order-up-to-120)

Quarter 3: Units 9, 10, 11, 12, & 17

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Unit 9: Extending strategies for solving addition and subtraction problems

[Addition Race Car](https://www.turtlediary.com/game/addition-car-race.html) Students should practice using their Make a ten, Doubles, Doubles plus one, and a couple of other strategies. This should help them understand these strategies in a practical game. No need for paper or pencil!

[Number Bonds for Addition practice](https://www.turtlediary.com/game/number-bonds.html)

[Bingo Addition- levels 1 or 2](https://www.turtlediary.com/game/bingo-addition.html) Students should NOT need paper or pencil as they should practice their *strategies* in their heads.

[Subtraction to 20 practice with pictures](https://www.mathplayground.com/puzzle_pics_subtraction_facts_to_20.html)

[Island Chase Subtraction](https://www.mathplayground.com/ASB_IslandChaseSubtraction.html)

[Sailboat Subtraction](http://www.mathplayground.com/ASB_Sailboat_Subtraction.html)

[FL tutorial for Organizing Data](http://www.cpalms.org/Public/PreviewResourceStudentTutorial/Preview/122642)

Unit 10: Telling and writing time to the half-hour and money to $1 \*qtr 2/3

[Digital to Analog practice](https://www.turtlediary.com/game/digital-to-analog.html)

[Analog to Digital practice](https://www.turtlediary.com/game/analog-to-digital.html)

[Learning coins](https://www.youtube.com/watch?v=BW3qqKffdnM)

[Identify coins](https://www.youtube.com/watch?v=9HFqc5P6kHI)

[Counting dimes and pennies](https://www.youtube.com/watch?v=Hj6RXwVq46A)

[Counting pennies and dimes](https://www.youtube.com/watch?v=9I7TZN3mq0s)

Unit 11: Adding multiples of 10

[Addition and subtraction up to 10](http://braingenie.ck12.org/skills/102916)

[10 more or 10 less practice](https://www.youtube.com/watch?v=Hj6RXwVq46A)

Unit 12: Composing and drawing shapes

[Tangrams-composing shapes](http://www.abcya.com/tangrams.htm)

Unit 17: Finding equal shares of shapes

[Partition Shapes](https://www.youtube.com/watch?v=XNCd_6qHYVc)

[Partition Equal Shares](https://www.splashmath.com/math-skills/first-grade/geometry/partition-shapes-equal-shares)

[I Want My Half-equal shares](http://www.beaconlearningcenter.com/WebLessons/IWantMyHalf/iwantmyhalf.htm#page2)

Quarter 4: Units 14, 13, 15 and 18. Note Unit 16-Measuring lengths with non-standard units is NOT a Florida Standard for grade 1 thus we do not spend time on it.

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Unit 14: Using understanding of place value to add and subtract

[Add and subtract 10s](https://www.mathgames.com/skill/1.39-add-and-subtract-tens)

[Subtract 10s](https://www.mathgames.com/skill/1.41-subtract-tens)

[Ten more or less](https://www.mathgames.com/skill/1.40-ten-more-or-less)

Unit 13: Interpreting and using symbols in numeric expressions and comparisons

[Using the number line](https://www.opened.com/video/addition-using-the-number-line-common-core-edition-part/206669)

[Catapult Count on](http://www.ictgames.com/catapultCountOn/index.html)

[What does the equal sign mean](https://www.youtube.com/watch?v=2cJbQHYTJjM)

Unit 15: Applying properties of operations to solve problems \*QTR ¾

[Number Bonds](https://www.youtube.com/watch?v=kn26on8U1X4&feature=youtu.be)

[Add-three-numbers-up-to-20](https://www.mathgames.com/skill/1.56-add-three-numbers-up-to-20)

Unit 18: Demonstrating proficiency in addition and subtraction situations

[Ten Frame usage](http://illuminations.nctm.org/Activity.aspx?id=3565)

[Addition with Part-part-whole](https://www.splashmath.com/math-skills/first-grade/addition/model-part-part-whole)

[Double facts within 10](https://www.opened.com/game/double-facts-within-10/8848915)

[Add 9](https://www.opened.com/game/add-9/8848963)