

Parents' Guide to Student Success in *Mathematics*

First Grade

Why Are Academic Standards Important?

Academic standards are important because they help ensure that all students, no matter where they live, are prepared for success in college and the workforce. Standards provide an important first step — a clear roadmap for learning for teachers, parents, and students. Having clearly defined goals helps families and teachers work together to ensure that students succeed. They also will help your child develop critical thinking skills that will prepare him or her for college and career.

A Sample of What Your Child Will Be Working on in 1st Grade

- Solving addition and subtraction word problems in situations of adding to, taking from, putting together, taking apart, and comparing (e.g., a taking from situation would be: "Five apples were on the table. I ate some apples. Then there were three apples. How many apples did I eat?")
- Quickly and accurately adding with a sum of 10 or less, and quickly and accurately subtracting from a number 10 or less (e.g., $2 + 5$, $7 - 5$)
- Understanding what the digits mean in two-digit numbers (*place value*)
- Using understanding of place value to add and subtract (e.g., $38 + 5$, $29 + 20$, $64 + 27$, $80 - 50$)
- Measuring lengths of objects by using a shorter object as a unit of length
- Making composite shapes by joining shapes together, and dividing circles and rectangles into halves or fourths

A white speech bubble with a dark red outline and tail, set against a green background. Inside the bubble, the text "TALKING TO YOUR CHILD'S TEACHER" is written in dark red, all-caps, sans-serif font.

TALKING TO YOUR CHILD'S TEACHER

When you talk to the teacher, do not worry about covering everything. Instead, keep the conversation focused on the most important topics. In 1st grade, these include:

- Adding with a sum of 20 or less and subtracting from a number 20 or less (this will not be written work; ask the teacher for his or her observations of your child's progress in this area)
- Using understanding of place value to add and subtract
- Solving addition and subtraction word problems

Help Your Child Learn at Home

Try to create a quiet place for your child to study, and carve out time every day when your child can concentrate. You should also try to sit down with your child at least once a week for 15 to 30 minutes while he or she works on homework. This will keep you informed about what your child is working on, and it will help you be the first to know if your child needs help with specific topics. Additionally, here are some activities you can do with your child to support learning at home:

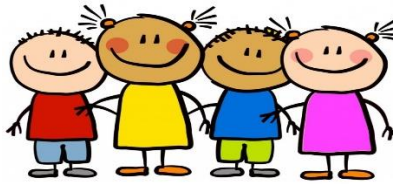
Look for "word problems" in real life. Some 1st grade examples might include:

- If you open a new carton of a dozen eggs, and you use four eggs to cook dinner, close the carton and ask your child how many eggs are left.
- Play the "I'm thinking of a number" game. For example, "I'm thinking of a number that makes 11 when added to 8. What is my number?"

- Resource: <http://www.pta.org/parents/>

First Grade

Nine Week Checkpoints for Parents and Students



First Nine Weeks	Second Nine Weeks
<p><i>Helpful websites to help students master the first and second nine week concepts:</i> https://www.khanacademy.org/commoncore/grade-1-NBT https://www.khanacademy.org/commoncore/grade-1-OA</p>	
<p><i>Students should know and be able to:</i></p> <ul style="list-style-type: none"> Count to 120 from any number less than 120 Read and write any number to 120 Write the number that matches with a group of objects up to 120 Use ten pennies and a dime interchangeably Add and subtract within 20 in <u>more than one way</u> using a variety of strategies (i.e. adding up, compensation, doubles, removal, place value) 	<p><i>Students should know and be able to:</i></p> <ul style="list-style-type: none"> Determine the missing numbers in addition and subtraction problems. Add and subtract within 20 to solve word problems Solve addition problems with 3 numbers Explain place value of a two-digit number Compare two-digit numbers Fluently add and subtract within 10 using mental math
Third Nine Weeks	Fourth Nine Weeks
<p><i>Helpful websites to help students master the third and fourth nine week concepts:</i> https://www.khanacademy.org/commoncore/grade-1-NBT https://www.khanacademy.org/commoncore/grade-1-OA https://www.khanacademy.org/commoncore/grade-1-MD https://www.khanacademy.org/commoncore/grade-1-G</p>	
<p><i>Students should know and be able to:</i></p> <ul style="list-style-type: none"> Add within 100, 2-digits plus 1-digit Mentally find 10 more, 10 less Subtract multiples of 10 Order and compare the length of two objects Measure objects Tell time to the half hour using analog and digital clocks 	<p><i>Students should know and be able to:</i></p> <ul style="list-style-type: none"> Describe shapes Combine two-dimensional or three-dimensional shapes to create a new shape Divide shapes into equal parts using halves fourths, and quarters to describe them