

FIRST GRADE

COMMON CORE

MATH

AND

ENGLISH LANGUAGE ARTS

OVERVIEW

FOR PARENTS

Mathematics | Standards for Mathematical Practice for All Grades

The Standards for Mathematical Practice describe behaviors that all students will develop in the Common Core Standards. These practices rest on important “processes and proficiencies” including problem solving, reasoning and proof, communication, representation, and making connections. These practices will allow students to understand and apply mathematics with confidence.

- Make sense of problems and persevere in solving them.
 - Find meaning in problems
 - Analyze, predict and plan solution pathways
 - Verify answers
 - Ask themselves the question: “Does this make sense?”

- Reason abstractly and quantitatively.
 - Make sense of quantities and their relationships in problems
 - Create coherent representations of problems

- Construct viable arguments and critique the reasoning of others.
 - Understand and use information to construct arguments
 - Make and explore the truth of conjectures
 - Justify conclusions and respond to arguments of others

- Model with mathematics.
 - Apply mathematics to problems in everyday life
 - Identify quantities in a practical situation
 - Interpret results in the context of the situation and reflect on whether the results make sense

- Use appropriate tools strategically.
 - Consider the available tools when solving problems
 - Are familiar with tools appropriate for their grade or course (pencil and paper, concrete models, ruler, protractor, calculator, spreadsheet, computer programs, digital content located on a website, and other technological tools)

- Be precise.
 - Communicate precisely to others
 - Use clear definitions, state the meaning of symbols and are careful about specifying units of measure and labeling axes
 - Calculate accurately and efficiently

- Look for and make use of structure.
 - Discern patterns and structures
 - Can step back for an overview and shift perspective
 - See complicated things as single objects or as being composed of several objects

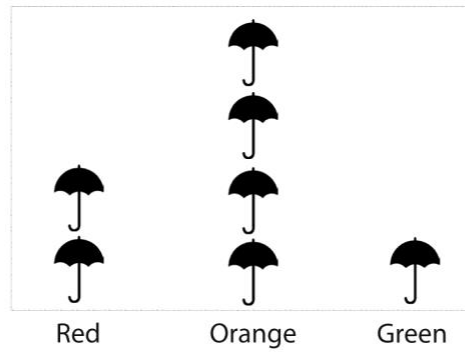
- Look for and identify ways to create shortcuts when doing problems.
 - When calculations are repeated, look for general methods, patterns and shortcuts
 - Be able to evaluate whether an answer makes sense

Grade 1 Overview | Mathematics

First grade students extend their understanding of addition and subtraction by learning to use adding and subtracting to solve word problems within 20. They understand the meaning of the equal sign and are expected to count to 120. Place value knowledge is deepened and students use this knowledge to compare two-digit numbers within 100. Students practice their measurement skills with linear measurement and begin to organize data from surveys. Students also tell and write time in hours and half-hours using analog and digital clocks.

- Solve addition and subtraction word problems within 20
- Understand the relationship between addition and subtraction
- Apply the properties of operations
 - Commutative property of addition:
If you know $8 + 3 = 11$, then you know $3 + 8 = 11$.
 - Associative property of addition:
To add $2 + 6 + 4$, the second two numbers can be added to make a ten, so $2 + 6 + 4 = 2 + 10 = 12$.
- Add and subtract within 20
- Count to 120, starting at any number
- Understand the meaning of the equal sign
- Understand place value: ones, tens
- Use place value to add and subtract within 100
- Measure lengths and tell the measurement in units
- Tell and write time
- Relate time to events (before/after, shorter/longer, etc.)
- Build and talk about a graph

What color is your umbrella?



What is the most popular color of umbrella? What is the least popular color of umbrella?

- Build, describe, extend, and explain a simple pattern.
- Compare shapes by talking about sides, vertices, etc.
- Compare two-dimensional shapes to three-dimensional shapes

Grade 1 Overview | English Language Arts

First grade students independently interact with literature or informational text by asking and answering questions and identifying details and main events. They can read aloud accurately and with expression. First grade students can print all letters and can write about events, topics, and opinions.

Reading

- Ask and answer questions about details in a reading selection
- Retell stories, including details
- Explain the differences between books that tell stories and books that give information
- With prompting and support, read first grade informational texts

Reading: Foundational Skills

- Understand the organization and basic features of print
 - Left to right
 - Top to bottom
 - Page by page
- Recognize features of a sentence
 - Capitalization
 - Ending punctuation
- Understand spoken words, syllables, and sounds
- Understand phonics and word analysis
 - Know that every syllable must have a vowel sound
- Read regularly spelled one- and two-syllable words
- Read aloud with accuracy and expression

Writing

- Write opinion pieces that include an opinion and the reason for the opinion
- Write informative pieces that name a topic, supply facts, and provide closure
- Write narratives about two or more events in the correct order; include details

Speaking and Listening

- Follow rules for discussions by building on what others are saying and by asking questions
- Follow simple two-step directions
- Speak in complete sentences

Language

- Use correct grammar
- Print all uppercase and lowercase letters
- Use correct capitalization, punctuation, and spelling
- Determine meaning of unknown words by looking at parts of the word and other words in the sentence
- Sort words into categories and define words by key attributes
 - A tiger is a large cat with stripes

