



SHAKER HEIGHTS CITY SCHOOL DISTRICT
Shaker Heights, Ohio
www.shaker.org

What Your Child Will Learn in Fourth Grade

A Parent's Guide to Common Core Standards in Mathematics and Language Arts

The Shaker curriculum in math and language arts is based on the Ohio Common Core standards. These standards are designed to reflect the skills that young people will need for success in college, careers, and adult life. Implementation of the standards will occur in stages over the next few years.

Adapted with permission from *K-8 California's Common Core Standards Parent Handbook*
California County Superintendents Educational Services Association

Grade 4 Overview | English Language Arts

Fourth grade students have learned the fundamentals of reading and writing. Fourth grade students read longer more complex words. They use the roots, prefixes, and suffixes of words to help them find out the meanings of unknown words. They use details and examples in the text to uncover the main idea and describe a character, setting, or event. Students produce writing that is developed, focused, organized, and edited. They group related ideas in paragraphs and sections, and provide a conclusion. Students conduct research online and in the library and work collaboratively to prepare and deliver a group presentation to an audience.

Reading

- Read literature accurately and easily
 - Use common literary elements: setting, plot, character, tone, themes, point of view
 - Identify differences among genres: poetry, drama, fables, myths
- Read non-fiction accurately and easily
 - Use explicit information from text to identify the main idea
 - Use explicit information from text to explain an event, idea or procedure
 - Identify different ways non-fiction is organized: chronology, comparisons, cause and effect, problem-solution
 - Explain the difference between a first-hand and a second-hand account of something (primary source versus secondary source)
- Use and understand figurative speech
 - Metaphor (the apple of his eye; glued in their seats)
 - Simile (flopping like a fish; brave as a lion)
 - Idiom (missed school because he was under the weather)

Reading: Foundational Skills

- Read with sufficient accuracy and fluency to support comprehension
- Use grade-level phonics and word analysis skills to decipher the meaning of unknown words
 - Roots, prefixes and suffixes
 - Use context clues to confirm or self-correct understanding, rereading as necessary

Example:

A unicorn is always white and looks like a small horse with a horn **protruding**, or sticking out of, the center of its forehead.

Use the context to help you figure out that protruding means sticking out.

Writing

- Write clearly and logically for a variety of purposes: opinion, information, narrative
 - Develop a topic and give supporting details
 - Use description
 - Use words accurately
 - Proofread, revise and edit
 - Consider punctuation, capitalization, spelling and grammar
 - Consider sentence structure and clarity
- Write an opinion piece, supporting point of view with reasons and information

Speaking and Listening

- Use effective presentation skills when making a presentation
- Identify the reasons and evidence a speaker provides to support particular points

Language

- Use punctuation, capitalization, spelling and grammar correctly
- Use complete sentences
- Acquire and use accurately grade appropriate general academic and domain specific vocabulary

Research

- Select useful information sources
 - Primary (first-hand accounts such as a diary)
 - Secondary (second-hand accounts such as an article or a textbook)
- Interpret and use information from sources
- Combine information from many sources

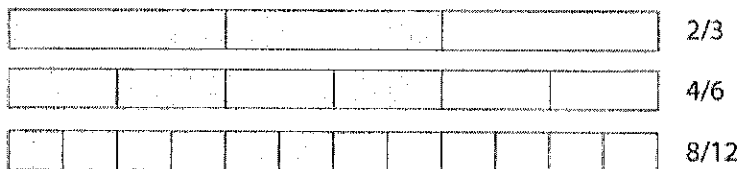
Other

- Compares themes and topics from different cultures

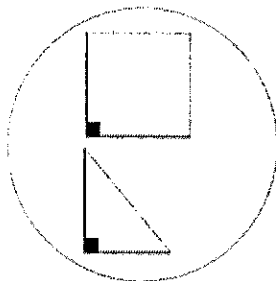
Grade 4 Overview | Mathematics

Fourth graders use their knowledge of place value to generalize to 1,000,000 and learn to round multi-digit whole numbers to any place. They fluently add and subtract using the standard algorithm and multiply and divide with multi-digit numbers. Fourth graders extend understanding of fractions to include equivalence, ordering and simple decimal notation. Students measure angles and classify geometric shapes by lines (parallel, perpendicular, etc.) and angles (right, acute, obtuse, etc.).

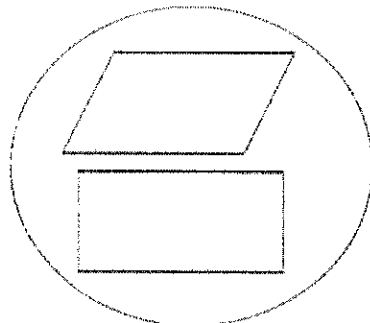
- Use addition, subtraction, multiplication and division to solve word problems
- Learn about factors and multiples
 - Factors of 24: 1, 2, 3, 4, 6, 8, 12
 - Multiples of 4: 4, 8, 12, 16, 20, 24
- Generate and analyze patterns with objects and numbers
- Understand and use place value to generalize to 1,000,000
 - Expanded form: $6783 = 6000 + 700 + 80 + 3$
- Compute with multi-digit numbers
 - Solve problems using multiplication of multi-digit by two-digit numbers
 - Divide multi-digit numbers by one digit divisor
 - Round multi-digit numbers to any place
- Build understanding of equivalent fractions and ordering fractions



- Solve problems using addition and subtraction of fractions with mixed numbers
- Add and subtract fractions and mixed numbers with like denominators
- Multiply fractions by a whole number
- Understand and compare the decimal notation for fractions
- Solve problems using measurement conversions
- Apply area and perimeter formulas to solve problems
- Understand, identify and measure angles
- Describe and sort shapes by their lines and angles



Right Angles



Parallel Lines

- Compares numbers up to 1,000,000 as less than, greater than and equal to.