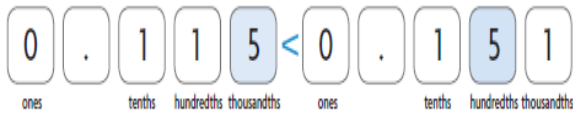


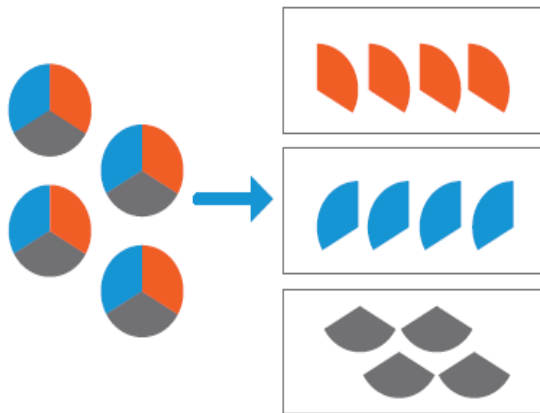
Here are just a few examples of how students will develop and use their understanding of place value in grade five.

Students recognize that a 5 in the thousandths place is only one tenth the value of a 5 in the hundredths place.



Here are just a few examples of how students will learn about and work with fractions in grade five.

Students will use pictures such as this to see that $4 \div 3$ is the same as dividing 4 objects equally among 3 shares, or having 4 thirds ($\frac{4}{3}$).



Grade 5 Mathematics

- Interpret a fraction as division of the numerator (the top number) by the denominator (the bottom number)
- Add and subtract fractions with different denominators
- Multiply a fraction by a whole number or another fraction
- Divide fractions by whole numbers and whole numbers by fractions

Helping your child learn outside of school

1. Use everyday objects to allow your child to explore the concept of fractions. For example, have your child divide a candy bar (or a healthy snack) between three people. Ask, "How much does each person receive?" (Each person would receive $\frac{1}{3}$). Suppose there are three candy bars that you plan to share with two friends. Have your child describe the amount that each person will receive.
2. Have your child explain how to write fractions in different ways. For example, what are some different ways to write $\frac{4}{3}$? He or she could answer $4 \div 3$, $1 \frac{1}{3}$, $\frac{2}{3} + \frac{2}{3}$, $2 \times \frac{2}{3}$, $\frac{8}{6}$, $4 \times \frac{1}{3}$, etc.
3. Ask your child to give you a fraction equal to a decimal. For example, what are two fractions that can be used to represent 0.6? Answers could include $\frac{6}{10}$, $\frac{60}{100}$, $\frac{12}{20}$, or $\frac{3}{5}$.
4. Encourage your child to stick with it whenever a problem seems difficult. This will help your child see that everyone can learn math.
5. Praise your child when he or she makes an effort and share in the excitement when he or she solves a problem or understands something for the first time.

Parent ROADMAP

to
California Common Core Standards
5th Grade

To view Common Core State Standards:
www.cde.ca.gov/re/cc/index.asp



The way we taught students in the past simply does not prepare them for the higher demands of college and careers today and in the future. Your school and schools throughout the country are working to improve teaching and learning to ensure that all children will graduate high school with the skills they need to be successful.

SUPPORTING YOUR CHILD IN GRADE 5 ENGLISH LANGUAGE ARTS

In grade five, students will continue to build important reading, writing, speaking, and listening skills. They will read more challenging literature, articles, and other sources of information and continue to grow their vocabulary. Students will also be expected to understand and clearly summarize what they have learned from readings and classroom discussions, referring to specific evidence and details from the text. Students will write regularly and continue to develop their ability to gather, organize, interpret, and present information.

Activities in these areas will include:

- Determining the theme of a story, play, or poem, including how characters respond to challenges
- Comparing and contrasting stories that deal with similar themes or topics
- Explaining how authors use reasons and evidence to support their points or ideas
- Drawing on information from multiple books, articles, or online sources to locate an answer or to solve a problem quickly
- Learning the rules of spoken and written English
- Learning and using new words, including words related to specific subjects (such as science words)
- Understanding figurative language
- Participating in class discussions by listening, asking questions, sharing ideas, and building on the ideas of others
- Giving a class presentation on a topic or telling a story, introducing relevant facts and details in a clear, logical order
- Writing research or opinion papers over extended periods of time

READING LITERATURE

Grade 5 Reading

- Students determine the theme of a story, play, or poem from details in the text, including how characters respond to challenges or how the speaker in a poem reflects upon a topic, and students summarize the text.
- Students describe how a narrator's or speaker's point of view influences how events are described.

READING FOR INFORMATION

Grade 5 Reading

- Students quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.
- Students draw on information from multiple print or digital sources, demonstrating the ability to locate an answer to a question quickly or to solve a problem efficiently.

Grade 5 Writing

- Students introduce a topic clearly, providing a general observation and focus, and develop the topic with facts, definitions, concrete details, quotations, or other information.
- Students provide a concluding statement or section related to the information or explanation presented.
- Students group related information logically and use formatting (such as headings), illustrations, and multimedia when useful.
- Students link ideas within and across categories of information using words, phrases, and clauses (such as *in contrast* or *especially*).
- Students use precise language and subject-specific vocabulary.

Helping your child learn outside of school

1. Provide time and space for your child to read independently. This time should be free from distractions such as television.
2. Ask your child what he or she learned from reading. Have him or her read the most interesting or useful sections aloud, and discuss how that knowledge can be used in real life.
3. Assist your child in using references such as the Internet or a dictionary to look up unfamiliar words.
4. Keep track of the time that your child spends reading every day. Note what kind of reading materials he or she likes (books, magazines, newspaper articles, the Internet, etc.). Then look for additional materials that would encourage your child to read more.
5. Be sure your child has a library card. Children should select books they are interested in to develop a passion for reading. Many libraries have book clubs and family activities that make reading fun for the entire family.
6. Use technology to help build your child's interest in reading. There are several websites where students can read books or articles online. The computer will help with words the student cannot read independently. Libraries also have computers students can use to access those sites. Feel free to ask a librarian or teacher for suggestions.

SUPPORTING YOUR CHILD IN GRADE 5 MATHEMATICS

In grade five, students will build their understanding of the place value system by working with decimals up to the hundredths place. Students will also add, subtract, and multiply fractions, including fractions with unlike denominators. They will continue to expand their geometry and measurement skills, learning the concept of volume and measuring the volume of a solid figure.

Activities in these areas will include:

Quickly and accurately multiplying multi-digit whole numbers

Dividing numbers with up to four digits by two digit numbers

Using exponents to express powers of 10 (in 10^2 , 2 is the exponent)

Reading, writing, and comparing decimals to the thousandths place

Adding, subtracting, multiplying, and dividing decimals to the hundredths place

Writing and interpreting mathematical expressions using symbols such as parentheses. For example, "add 8 and 7, then multiply by 2" can be written as $2 \times (8 + 7)$.

Adding and subtracting fractions with unlike denominators (bottom numbers) by converting them to fractions with matching denominators

Multiplying fractions by whole numbers and other fractions

Dividing fractions by whole numbers and whole numbers by fractions

Analyzing and determining relationships between numerical patterns

Measuring volume using multiplication and addition

Grade 5 Mathematics

- Use place value understanding to round decimals to any place
- Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and 1/10 of what it represents in the place to its left
- Read, write, and compare decimals based on the meanings of the digits in the tenths, hundredths, and thousandths place