

Examples of Grade One Word Problems

+ Addition	6 bunnies sat on the grass. Some more bunnies hopped over. Then there were 14 bunnies. How many bunnies hopped over?
- Subtraction	14 bunnies were sitting on the grass. Some bunnies hopped away. Then there were 5 bunnies. How many bunnies hopped away?
Comparison	Lucy has 12 apples. Julie has 9 apples. How many more apples does Lucy have than Julie?

Helping your child learn outside of school

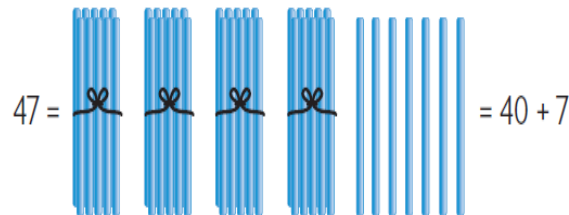
1. Look for everyday opportunities to have your child do mathematics. For example, if you open a carton of eggs and take out seven, ask, "How many are left in the carton?"
2. Play math games with your child. For example, "I'm thinking of a number. When I add five to it, I get 11. What is the number?"
3. Encourage your child to read and write numbers in different ways. For example, what are some ways that you can make the number 15? 15 can be 10+5, 7+8, 20-5, or 5+5+5.
4. Have your child create story problems to represent addition, subtraction, and comparisons. For example, "I have seven pennies. My brother has five pennies. How many pennies does he need to have the same number as I have? He needs two more pennies."
5. Encourage your child to stick with it whenever a problem seems difficult. This will help your child see that everyone can learn math.
6. 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.

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

Grade One Mathematics

- Understand that 10 can be thought of as a bundle of ten ones—called a "ten"
- Understand that the two digits of a two-digit number represent amounts of tens and ones (place value)
- Add and subtract numbers through 100 using what students have learned about place value

Students use models and pictures to show that 47 is the same as 47 ones, or 4 tens + 7 ones, and to better understand the relative size of the units.



Your child will use this understanding of place value to add one- and two-digit numbers together.

$$47 + 2 = 49$$



$$47 + 20 = 67$$



Parent ROADMAP

to
*California Common
Core
Standards*
1st 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 ONE

ENGLISH LANGUAGE ARTS

In grade one, your child will build important reading, writing, speaking, and listening skills. Students will continue to learn the letters and sounds that make up words. They will think, talk, and write about what they read in stories, articles, and other sources of information. In their writing, students will work on putting together clear sentences on a range of topics using a growing vocabulary.

Activities in these areas will include:

- Reading stories and showing they understand the lesson or moral of the story
- Asking and answering questions about a story, including characters, settings, and major events
- Comparing and contrasting the experiences of different characters
- Identifying the reasons an author gives to support a point
- Explaining differences between texts that tell stories and texts that provide information
- Learning and using new words
- Participating in class discussions by listening, responding to what others are saying, and asking questions
- Describing people, places, things, and events, expressing feelings and ideas clearly
- Learning basic rules of spoken and written English
- Working with others to gather facts and information on a topic

READING LITERATURE

Grade One Reading

- Students retell stories, including key details, and show that they understand the lesson or moral of a story.
- Students identify who is telling the story at various points in a text.

READING FOR INFORMATION

Grade One Reading

- Students ask and answer questions about key details in a text.
- Students use the illustrations and details in a text to describe key ideas.

Grade One Writing

- Students name a topic and supply some facts about the topic.
- Students provide some sense of closure.

Helping your child learn outside of school

1. Provide time and space for your child to read independently. This reading time should be free from distractions such as television.
2. Ask your child what topics, events, or activities he or she likes. Then look for books, magazines, or other materials about those topics that would motivate your child to read.
3. It is also helpful when your child sees other people reading at home. You could share what you have read.
4. Start a family book club. Let different members of the family pick the book. This could be a good way to enjoy quality family time while experiencing the joy of reading together!
5. Be sure your child has a library card. Children should select books in which they are interested 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 ONE

MATHEMATICS

In grade one, students will work with whole numbers and place value—including grouping numbers into tens and ones as they learn to add and subtract up through 20. Students will also use charts, tables, and diagrams to solve problems.

Activities in these areas will include:

- Quickly and accurately adding numbers together that total up to 10 or less and subtracting from numbers up through 10
- Understanding the rules of addition and subtraction (for example, $5+2=2+5$)
- Solving word problems that involve adding or subtracting numbers up through 20
- Understanding what the different digits mean in two-digit numbers (place value)
- Comparing two-digit numbers using the symbols $>$ (more than), $=$ (equal to), and $<$ (less than)
- Understanding the meaning of the equal sign ($=$) and determining if statements involving addition and subtraction are true or false (for example, which of the following statements are true? $3+3=6$, $4+1=5+2$)
- Adding one- and two-digit numbers together
- Measuring the lengths of objects using a shorter object as a unit of length
- Putting objects in order from longest to shortest or shortest to longest
- Organizing objects into categories and comparing the number of objects in different categories
- Dividing circles and rectangles into halves and quarters

Grade One Mathematics

- Solve word problems by adding or subtracting numbers up through 20
- Solve addition and subtraction problems for different unknown numbers ($20-?=15$, $9+4=?$)