

# Mathematics Georgia Standards of Excellence First Grade

## Unit Two: Developing Base Ten Number Sense SAMPLE

Name: \_\_\_\_\_

Button, Button!

How many buttons  
would your teacher  
need to buy to  
replace all the  
buttons in your class?



## STRATEGIES FOR TEACHING AND LEARNING - 6th Grade

Computation with fractions is best understood when it builds upon the familiar understandings of whole numbers and is paired with visual representations. Solve a simpler problem with whole numbers, and then use the same steps to solve a fraction divided by a fraction. Looking at the problem through the lens of "How many groups?" or "How many in each group?" helps visualize what is being sought.

For example: "How many groups of three would make 12?" Or, "How many in each of 3 groups would make 12?" Thus can be solved the same way. "How many groups of make ?"  $3|12 \div 4|27 \div 4|$   
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Creating the picture that represents this problem makes seeing and proving the solutions easier:



# Georgia Standards of Excellence (GSE)

On February 19, 2015, the State Board of Education (SBOE) voted to rename the ELA and Mathematics standards to the Georgia Standards of Excellence (GSE). The recently revised and SBOE approved ELA and Mathematics standards for implementation beginning for the 2015-2016 school year will be called the ELA and Mathematics Georgia Standards of Excellence (GSE).



# Georgia Performance Standards

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The performance standards provide clear expectations for instruction, assessment, and student work. They define the level of work that demonstrates achievement of the standards, enabling a teacher to know "how good is good enough."

The performance standards isolate and identify the skills needed;

- To use the knowledge and skills to problem-solve,
- To reason,
- To communicate, and
- To make connections with other information.

They also tell the teacher how to assess the extent to which the student knows the material or can manipulate and apply the information.

See:

<https://www.georgiastandards.org>

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## 3RD GRADE MATH SAMPLE

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### Happy to Eat Healthy

1. Cut out the snack items from the Healthy Snack List.
  2. Find a combination of 3 or more items that you can purchase with \$2.
  3. Glue the snack items you chose to the bottom or back of this page. Snack items can be used more than once.
  4. Show all of your work.
  5. Show your answer in the table below. Be ready to explain how you arrived at your answer.
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Apple

52¢

Raisins

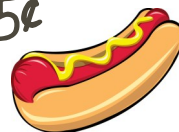
56¢



Low-fat

Hot Dog

75¢



Popcorn

49¢



What does a performance standard contain?

The performance standard incorporates the content standard, which simply tells the teacher:

- what a student is expected to know (ie.,
- what concepts he or she is expected to master).

Additionally, it adds to these concepts by providing three additional items:

1. suggested tasks,
  2. sample student work, and
  3. teacher commentary on that work.
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