



**CGI Math**  
Teacher Learning Center

*Every Student has the Right and the Ability to Understand Mathematics*

**CGI Math TLC Assessment of Math Understanding:  
First Grade**

Information about this assessment is provided at: <https://www.cgimath-tlc.org/blog/cgi-math-tlc-assessments-of-math-understanding>

**First Grade**

1. Sasha had 12 cookies. She ate 4 of them. How many cookies does Sasha have now?  
Don't change the numbers later in the year to see if students' fact strategies get more sophisticated.
2. I have 3 buckets with 10 rocks in each bucket. How many rocks do I have?  
More challenging numbers for later in the year, if needed: 6, 10 12, 10
3. Mario has 14 balloons. Lee has 8 balloons. How many more balloons does Mario have than Lee?  
More challenging numbers for later in the year, if needed: 25, 17 60, 41
4. Our class had 40 pencils. We lost 21 of them. How many pencils do we have now?  
You might wait until the middle of the year to pose this problem.

Name \_\_\_\_\_

Solve each problem and show how you solved it.

Sasha had 12 cookies. She ate 4 of them. How many cookies does Sasha have now?

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Solve each problem and show how you solved it.

I have 3 buckets with 10 rocks in each bucket. How many rocks do I have?

Name \_\_\_\_\_

Solve each problem and show how you solved it.

Mario has 14 balloons. Lee has 8 balloons. How many more balloons does Mario have than Lee?

Name \_\_\_\_\_

Solve each problem and show how you solved it.

Our class had 40 pencils. We lost 21 of them. How many pencils do we have now?

Name \_\_\_\_\_

1. I am good at math.



2. I can figure out how to solve math problems by myself.



3. When I grow up, I want to have a job where I use math.



