



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

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

Sixth Grade

1. I have 2,995 books. How many more books would I need to get to have 3,015 books all together?
More accessible numbers, if needed: 498, 502 998, 1,005
2. I have 78 buckets with 10 rocks in each bucket. How many rocks do I have?
More challenging numbers, if needed: 335, 10
3. 8 people want to share 5 cookies so that each person gets the same amount and there are no left overs. How much cookie should each person get?
4. I have 6 large brownies. If I eat $\frac{3}{4}$ of a brownie each day, how many days will it take me to eat all 6 brownies?
5. Sasha had $5\frac{1}{2}$ pounds of candy. She gave $\frac{3}{4}$ of a pound of candy to her sister. How much candy does Sasha have left?
6.
$$\begin{array}{r} 3001 \\ - \underline{2998} \end{array}$$

Give the problem above in this form at the beginning, middle and end of the year.

7. It takes 0.1 of container of paint to paint 10 miles of highway. How much paint would we need to paint 10,000 miles of highway?
More challenging numbers for later in the year 0.1 1,000,000
8. How many groups of ten are there in 467?

9.
$$\begin{array}{r} 1,000,000 \\ - \underline{\hspace{2cm}} \\ 2 \end{array}$$

Give the problem above in this form at the beginning, middle and end of the year.

10. The high school principal has 123 pounds of fudge. He wants to give 0.1 of a pound of fudge to each student at the high school. How many students could he give fudge to before his fudge runs out?

11. $87 \frac{2}{3} + 49 \frac{5}{8} = 87 \frac{5}{8} + n$

Name _____

Solve each problem and show how you solved it.

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 - 2998

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10. The high school principal has 123 pounds of fudge. He wants to give 0.1 of a pound of fudge to each student at the high school. How many students could he give fudge to before his fudge runs out?

11. $87\frac{2}{3} + 49\frac{5}{8} = 87\frac{5}{8} + \text{Apple}$

Name _____

1. I am good at math.

YES

KINDA

NOT REALLY

NO

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

USUALLY

SOMETIMES

SELDOM

NEVER

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

YES

MAYBE

PROBABLY NOT

NO