CGI Math

Teacher Learning Center

Every Student has the Right and the Ability to Understand Mathematics

CGI Math TLC Assessment of Math Understanding:
Fourth Grade

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

Fourth Grade

1. I have 498 books. How many more books would I need to get to have 505 books all together?
   More challenging numbers for later in the year, if needed: 2,995   3,015

2. I have 32 buckets with 10 rocks in each bucket. How many rocks do I have?
   More accessible numbers for earlier in the year, if needed: 14, 10
   More challenging numbers for later in the year, if needed 78, 10   335, 10

3. 4 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?
   Give this problem at the ***beginning of the year.*** Pay attention to how the student shows you their answer: with a picture; with words; with fraction symbols?
   More challenging numbers for later in the year: 4, 7

4. I have 3 large brownies. If I eat ¼ of a brownie each day, how many days will it take me to eat all 3 brownies?
   More challenging numbers for later in the year, if needed: 6, ¾

5.   3001
   -      2998

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

6. How many groups of ten are there in 467?

7. I have 3 pounds of fudge. If I eat 1/10 of a pound of fudge a day, how long will it take me to eat 3 pounds of fudge?

8. $7\ 2/3 + 9\ 5/8 = 9\ 2/3 + n$

Name _____

Solve each problem and show how you solved it.

9. I have 498 books. How many more books would I need to get to have 505 books all together?

_____

10. I have 32 buckets with 10 rocks in each bucket. How many rocks do I have?

Name _____

Solve each problem and show how you solved it.

11. 4 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?

_____

12. I have 3 large brownies. If I eat $\dfrac{1}{4}$ of a brownie each day, how many days will it take me to eat all 3 brownies?

Name _____

Solve each problem and show how you solved it.

13.   3001
      -     2998
      _____

_____

14. How many groups of ten are there in 467?

Name _____

Solve each problem and show how you solved it.

15. I have 3 pounds of fudge. If I eat $\dfrac{1}{10}$ of a pound of fudge a day, how long will it take me to eat 3 pounds of fudge?

_____

16. What does the box have to be to make this equation true?

$$7\frac{2}{3} + 9\frac{5}{8} = 9\,\frac{2}{3} + \text{\Large\Apple}$$

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