

3.NBT.2 Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.

Let's Think Addition and Subtraction!

***Try to solve the problem in more than one way using pictures, numbers, and words.**

Roberto is saving for a computer that cost \$750. He received \$123 dollars for his birthday in May and saved \$347 dollars for cutting grass during June and July. How much money does Roberto still need to purchase the computer?

Fourth Grade Task

4.NBT.4 Fluently add and subtract multi-digit whole numbers using the standard algorithm.

Filling the Auditorium

On a field trip, three different schools send their fourth graders across town to the high school cafeteria. Each school sends between 120 and 170 students each. There are 417 students total.

Part 1:

How many students could have come from each school? Show your thinking.

Part 2:

Find another possible solution to this task. Show your thinking.

Part 3:

If the number of students from each school was the same, how many students came from each school? Explain how you found your solution.

Fifth Grade Task

5.NBT.7 Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.

Part 1:

Mrs. Potter bought 6 boxes of clay for an art project. If each box of clay weighs 17.4 ounces, how many ounces of clay did the teacher buy? Explain your answer using pictures, numbers, and/or words.

Part 2:

If the clay is shared equally among the 18 students in the class, how many ounces of clay will each student get? Explain your answer using pictures, numbers, and/or words.

Part 3:

After her students begin the project, Mrs. Potter realizes that each student needs 8.7 ounces of clay. How many more boxes of clay does Mrs. Potter need to buy? Explain your answer using pictures, numbers, and/or words.

Part 4:

Explain your strategy to all 3 parts in writing. Make sure to use pictures and/or numbers to justify your reasoning.