Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Sixth Grade Finds Out How Many**

Solve the following problems. Pay close attention to the question you are trying to answer. Make sure you explain any remainders in your problems.

On a separate sheet of paper, record your work as you solve these problems. Use words, pictures and numbers to show how you solve each of these problems.

1. There are 158 students in the 6th grade. There are six 6th grade teachers. If the students are evenly divided among the teachers, how many students will be in each teacher’s classroom? If there is a remainder in this problem, what does it represent and what effect does it have on the answer?
2. At the end of the school year, your teacher needs to move all the math textbooks to the bookroom. There are 127 math books for 6th grade. There are 8 students who volunteered to move the books. If each student moves the same number of books, how many books will each student move? Are there any books left over for the teacher to move? Do you think the students will be able to complete the move in one trip to the book room? If not, how many trips do you think they will need to make?
3. All the 6th grade students are going on a field trip. There are 172 sixth graders and there are 7 buses waiting to take the students. If each bus can hold 32 students, are there enough buses to carry all the students or are there too many buses? Explain how you know.
4. The field trip planners forgot to count the 12 chaperones and teachers who are also going on the field trip in Problem 4. How many buses do we need now?
5. Create your own problem and solution to present to the class.