Every year Blythe Elementary School holds a contest. Each class is given 7 problems about the school. The answers are part of a code that tells where a hidden prize is located. The class that cracks the code and gets to the location first wins the prize! Help Mrs. Fitzgerald’s class win the prize by solving the problems below and cracking the code.

1. The school custodian, Mr. Granger, brought every pencil he found on the floor this week to the school lost-and-found. At the end of the week, there were 126 pencils in the lost-and-found. Mr. Granger said he found 3 pencils in 1 classroom and 5 pencils in each of 3 classrooms. He then found an equal number of pencils in each of the 9 remaining classrooms.

   How many pencils did he find in each of those 9 classrooms? 12 pencils

2. Mr. Granger walked by the cafeteria after lunch. He saw that the chairs around the 9 tables had been moved. He saw 12 chairs at each of 5 tables, 5 chairs at each of 3 tables, and 6 chairs at 1 table. He moved the chairs so that each table had the same number.

   How many chairs did he put at each table? 9 chairs

3. Every year students enter artwork in a state competition. This year there were 137 winners. Of these, 25 came from private and home schools. The rest were from 8 school districts. Each district had the same number of winners. The winners from our school district came from 7 schools, including ours. All of the schools in our district had the same number of winners.

   How many students from our school were winners? 2 students

4. There are 346 students in the school. In the morning, many students go to special classes: 21 to music, 16 to technology, 24 to gym, 19 to art, and 10 to Spanish. The rest stay in regular classes. Eight regular classes each have 27 students. The rest of the regular classes have only 8 students.

   How many total teachers are in the school? 18 teachers
At the last high school basketball game, many of the students sold concessions to raise money for charity. One concession stand sold 157 trays of nachos at $4 each, and another sold 209 bags of popcorn at $3 each.

Which concession stand item made more money? **Nachos**

How much more money? $\text{1}$

In April some astronomy experts from the local science museum visited the school and offered to show interested students the constellations inside their special star globe. The globe could hold 8 students at a time. There were 12 Kindergarteners, 17 first graders, 25 second graders, 28 third graders, 23 fourth graders, and 39 fifth graders lined up to go inside the star globe.

How many groups of students went in the globe? **18** groups

Every year musicians from our school and other schools come together to hold the All-District Winter Concert. This year 28 string players, 23 woodwind players, 5 percussionists, and 19 brass players participated. The concert always includes a special song played by only the best musicians—the top third of all the musicians in the concert.

How many students participated in this special song? **25** students

Now it’s time to crack the code. Transfer the answer to each question in Problems 1–7 to the boxes below. For example, the answer to Problem 1 goes in the first box, the answer to Problem 2 goes in the second box, and so on. Each number stands for a letter (Hint: $1 = A$, $2 = B$, $3 = C$). Put the letters on the lines above the boxes to find the name of the room where the prize can be found. Can you crack the code?

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4.OA.3, 4.NBT.4, 4.NBT.5, 4.NBT.6, SMP1