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| **Soccer Rosters– 6.NS.2** |
| **Domain** | **The Number System** |
| **Cluster** | **Compute fluently with whole numbers and find common factors and multiples.** |
| **Standard(s)** | **6.NS.2** Fluently divide multi-digit numbers using the standard algorithm. |
| **Materials** | Activity sheet |
| **Task** | **Soccer Rosters**The North Carolina Youth Soccer Association had 23,505 players register for the fall season. There are 15 players on every team. Part 1:How many teams are there in all? Part 2: In order to increase playing time the Association is considering putting only 14 players on every team. How many teams would be there then? Part 3: Would every team have the same number of players? Why or why not? Part 4:Write an explanation about how you solved this task.  |

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| **Rubric** |
| **Level I** | 1. **Level II**
 | **Level III** |
| * Student uses inappropriate solution strategy and does not get the correct answer.
 | 1. Not Yet Proficient
* There are one or two errors.
 | Proficient in Performance * Accurately solves problem
* Part 1: 23,505 divided by 15 equals 1,567 teams.
* Part 2: 23,505 divided by 14 equals 1,678 teams. There is a remainder of 13. This means that 13 teams will still have 15 players.
* Part 3: The explanation is clear and accurate.
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| **Standards for Mathematical Practice** |
| **1. Makes sense and perseveres in solving problems.** |
| **2. Reasons abstractly and quantitatively.** |
| 3. Constructs viable arguments and critiques the reasoning of others. |
| **4. Models with mathematics.** |
| 5. Uses appropriate tools strategically. |
| **6. Attends to precision.** |
| 7. Looks for and makes use of structure. |
| 8. Looks for and expresses regularity in repeated reasoning. |

**Soccer Rosters**

The North Carolina Youth Soccer Association had 23,505 players register for the fall season. There are 15 players on every team.

Part 1:

How many teams are there in all?

Part 2:

In order to increase playing time the Association is considering putting only 14 players on every team. How many teams would be there then?

Part 3:

Would every team have the same number of players? Why or why not?

Part 4:

Write an explanation about how you solved this task.